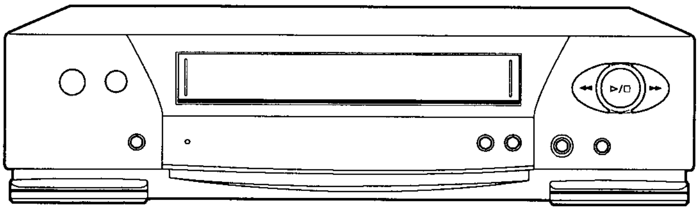
1997

MITSUBISHI

Service Manual

VIDEO CASSETTE RECORDER

VHS
PAL



MODEL
HS-751V(B)
HS-751V(E)
HS-751V(GY)
HS-751V(IR)

Only cassettes marked VHS can be used with this video cassette recorder.

SPECIFICATIONS

Tape Format : VHS 1/2" high-density video cassette tape
Power Source : AC 230V ; 50Hz
Power Consumption : Approx. 25W
Television System : 625lines, 50fields
System CCIR B&G PAL [E, GY]
System CCIR I PAL [B, IR]
Video Recording System : Azimuth helical scanning system
Luminance : Frequency modulation recording
Colour Signal : Low frequency conversion subcarrier phase shift recording
Hi-Fi Audio Recording System : Azimuth helical scanning system, Frequency modulation, deep layer recording
Linear Audio Track : 1 track
Tape Speed : 23.39mm/sec (PAL SP mode)
11.70mm/sec (PAL LP mode)
Record/Playback Time : 240min. with E-240 cassette (PAL SP mode)
480min. with E-240 cassette (PAL LP mode)
Heads: Video : 4 rotary heads
Hi-Fi Audio : 2 rotary head
Audio/Control : 1 stationary head
Erase : 1 full track head
Video Input : 0.5 to 2.0Vp-p, 75Ω unbalanced EURO AV socket
Audio Input : –8dBs, 10kΩ unbalanced EURO AV socket

Video Output : 1.0Vp-p, 75Ω unbalanced EURO AV socket
Audio Output : –8dBs, 1kΩ unbalanced EURO AV socket
TV Tuner VHF : 47~68MHz,174~230MHz[E, GY]
44.5~68.5MHz,174~222MHz[IR]
UHF : 470~862MHz
CATV : 47~103MHz, 104~300MHz, 302~470MHz
Operating Temperature : 5°C to 40°C
Relative Humidity : 30% to 80%
RF Channel Output : Set to Channel 68 [B]
Set to Channel 36 [E, GY]
Set to Channel 38 [IR]
(Channel 22~69 selectable)[B]
(Channel 32~40 selectable) [E, GY, IR]
Weight : Approx. 4.3kg
Dimensions : 380 (W) × 92 (H) × 303 (D) mm
Timer : 8 programmes for any channels in one month/every day/every week day
24 hour digital synchronized with oscillator frequency.
Channel Selection : 60 position Up/Down + EXT
Deck : U Deck

- Weight and dimensions shown are approximate.
- Design and specifications are subject to change without notice.

MITSUBISHI ELECTRIC

CONTENTS

DISASSEMBLY...1

HOW TO EXECUTE CIRCUIT BOARD SERVICE..........4

MECHANICAL ADJUSTMENT TOOLS 8

ELECTRICAL ADJUSTMENT TOOLS 9

HOW TO INITIALIZE THE E2PROM.............................10

SERVICE POSITION 10

DECK OPERATION CHECK 12

ELECTRICAL ADJUSTMENTS....................................13

- Servo Circuit Adjustment..15
- Timer Circuit Adjustment 15
- Dual Audio Circuit Adjustment...................................16

MECHANICAL ADJUSTMENT AND REPLACEMENT.............................17

1. Cleaning the DECK..17
   - 1-1 VIDEO HEAD 17
   - 1-2 Tape Transports 17
   - 1-3 REEL DISK Drive System 17

2. Replacement of Major Parts.............................18
   - 2-1 GUIDE ARM (SP), CLEANING ARM, CLEANING ROLLER UNIT 18
   - 2-2 STAY PLATE...18
   - 2-3 BOTTOM UNIT...19
   - 2-4 A/C HEAD UNIT 21
   - 2-5 FE HEAD 21
   - 2-6 SHUT LEVER UNIT....................................22
   - 2-7 LAMP GUIDE, MODE POSITION GUIDE 23
   - 2-8 TENSION SPRING, TENSION ARM, TENSION BELT UNIT 24
   - 2-9 BRAKE SPRING (for MAIN BRAKE (SP)), MAIN BRAKE (SP), BRAKE SPRING (for MAIN BRAKE (TU)), MAIN BRAKE (TU) 26
   - 2-10 REEL DISK (On SP side), REEL DISK (On TU side) 26
   - 2-11 LOADING BELT, LOADING MOTOR ASSY 28
   - 2-12 PINCH ARM CAP, PINCH ARM UNIT, PINCH GEAR ARM 2, PINCH CAM HOLDER, PINCH CAM SPRING, PINCH CAM LEVER, PINCH RACK SLIDER, PINCH CAM GEAR 29
   - 2-13 GUIDE ARM ASSY (TU), GUIDE SPRING (TU), LOADING TG LEVER..................................32
   - 2-14 REC SPRING, REC LEVER........................34
   - 2-15 REEL BELT, BELT PULLEY, SHIFT SPRING 35
   - 2-16 CAPSTAN BRAKE SPRING, CAPSTAN BRAKE......................................36
   - 2-17 MODE HOLDER, REEL LOCK LEVER, MODE GEAR, F/L DRIVE GEAR, F/L DRIVE LEVER, WORM PULLEY UNIT, LOADING WORM GEAR 36
   - 2-18 CONTROL WIND LEVER, TENSION LEVER UNIT 40
   - 2-19 PHOTO GUIDE UNIT (SP), PHOTO GUIDE UNIT (TU).........................42
   - 2-20 LOADING GEAR, LAMP LOADING GEAR 43
   - 2-21 CAM GEAR (TU) 43
   - 2-22 PHOTO UNIT, REEL GEAR UNIT (TU), REEL GEAR UNIT (SP) 44
   - 2-23 IDLER CENTER LEVER 46
   - 2-24 PULLEY GEAR, IDLER UNIT.......................47
   - 2-25 F/L ARM UNIT (SP)....................................47
   - 2-26 F/L ARM UNIT (TU)....................................48
   - 2-27 SYNC GEAR ASSY......................................49
   - 2-28 F/L DOOR ARM...50
   - 2-29 WIND LEVER UNIT.....................................50
   - 2-30 LOADING LOCK SPRING, LOADING LOCK LEVER.............................51
   - 2-31 CAPSTAN MOTOR 52
   - 2-32 CAM GEAR (SP) 53
   - 2-33 LOADING ARM UNIT (TU), LOADING ARM UNIT (SP)..........................54
   - 2-34 CAM SPRING (C), CAM PLATE UNIT (C) 55
   - 2-35 TAPE GUIDE ASSY (SP), TAPE GUIDE ASSY (TU) 56
   - 2-36 GUIDE ROLLER (SP), GUIDE ROLLER (TU)..................................57
   - 2-37 DRUM CLAMPER, DRUM ASSY................58

CONTENTS

2-38 DRUM MOTOR STATOR, BRUSH SPRING, ROTOR CASE, END RING, BRUSH, UPPER DRUM ASSY, SPACER 59
2-39 SHIFT LEVER 60
2-40 IMPEDANCE UNIT (SP), FLYWHEEL (SP) 61

3. Interchangeability Adjustment of the Mechanism 62
3-1 Adjustment of BACK TENSION and TENSION PIN Position 62
3-2 Check and Adjustment of the FM Envelope 63
3-2-1 GUIDE ROLLER Adjustment 63
3-2-2 Adjustment of GUIDE ROLLER (SP) Height 63
3-2-3 Adjustment of GUIDE ROLLER (TU) Height 63
3-2-4 Coarse Adjustment of Phase 64
3-2-5 Check of FM Waveform Flatness 64
3-2-6 Tape Running Condition at the GUIDE ROLLERs (check 1) 65
3-2-7 Tape Running Condition at the GUIDE ROLLERs (check 2) 65
3-3 Adjustment of A/C HEAD 66
3-3-1 Adjustment of A/C HEAD Slant 66
3-3-2 Adjustment of A/C HEAD Azimuth and Height 66
3-4 Adjustment of Phase 67
3-5 Adjustment of GUIDE ARM ASSY (TU) Height 68
4. Servicing for Tape Jamming during the Loading Process 69

GLOSSARY OF ABBREVIATIONS **70**
CHIP PARTS REPLACEMENT **71**
Parts List **72**
1. CABINET ASSEMBLY 72
2. PACKING PARTS 74
3. ELECTRICAL PARTS 76
4. DECK ASSEMBLY

DISASSEMBLY

1. Removal of Top Cover

1 Remove the four Top Cover fastening screws (ⓐ, ⓑ, ⓒ and ⓓ) shown in Fig. 1 and remove the Top Cover in the direction shown by the arrow.

2. Removal of Front Panel

1 Remove the Top Cover.
(Refer to Para. 1 of the DISASSEMBLY.)

2 Unfasten the seven catches (ⓔ ~ ⓚ) shown in Fig. 1 and remove the Front Panel in the direction shown by the arrows.

Note : Before installing the Front Panel, make sure that the lever is on the lower position. Push the cassette door open and install it.

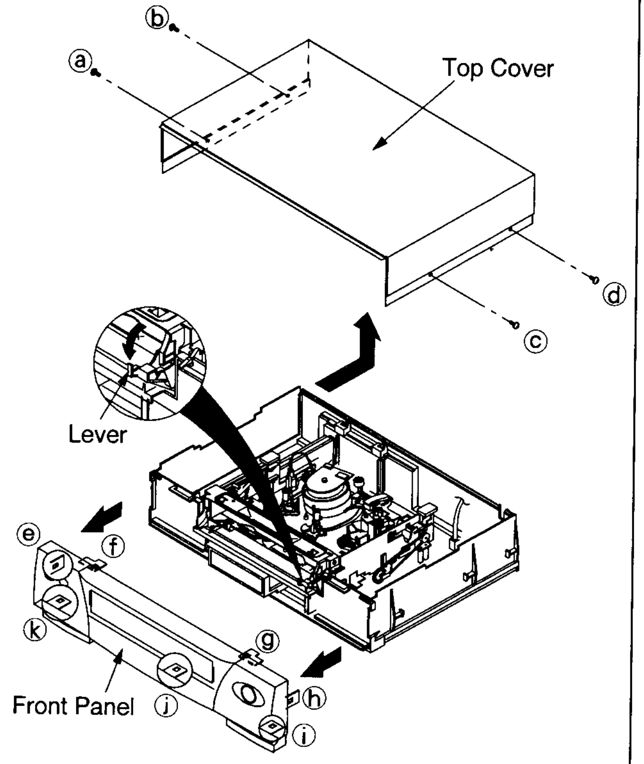


Fig. 1

3. Removal of Bottom Panel

1 Turn the set upside down as shown in Fig. 2.

2 Remove the two fastening screws (ⓐ and ⓑ) shown in Fig. 2.

3 Push the one hook Ⓐ toward inside. Slide the Bottom Panel backward to remove it, with taking care of the four catches Ⓑ.

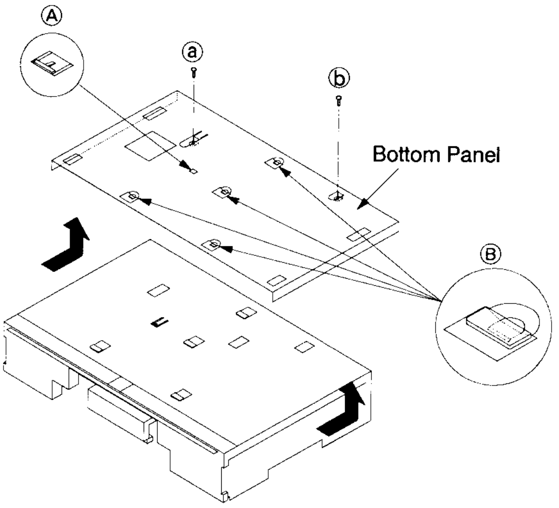


Fig. 2

4. Removal of DECK ASSY

1. Remove the Top Cover.
   (Refer to Para. 1 of the DISASSEMBLY.)
2. Remove the Front Panel.
   (Refer to Para. 2 of the DISASSEMBLY.)
3. Remove the Bottom Panel.
   (Refer to Para. 3 of the DISASSEMBLY.)
4. Remove the three screws (ⓐ, ⓑ and ⓒ) shown in Fig. 3.
5. Remove the three screws (ⓓ, ⓔ and ⓕ) shown in Fig. 4 and raise the Shield Plate upward to remove it.
6. Remove the one screw (ⓖ) shown in Fig. 4 and remove the Ground Lead Wire.

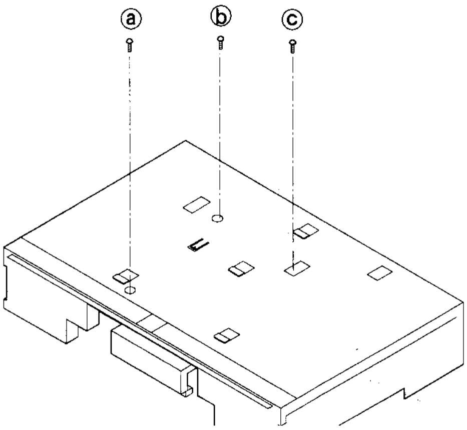


Fig. 3

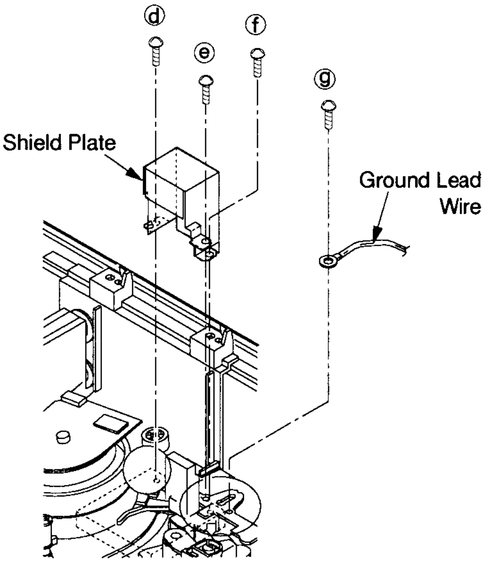


Fig. 4

7 Remove the five screws (ⓗ ~ ⓛ) shown in Fig. 5.
8 Disconnect the connectors MA, MD, MF, MH and ML.
9 Raise the DECK ASSY upward to remove it, paying attention to the connector MC placed below the DECK ASSY.

Note : During installation of DECK ASSY, take care of the connector DD which is apt to be removed by the side force.
Do not pull the spacer to raise the DECK ASSY.

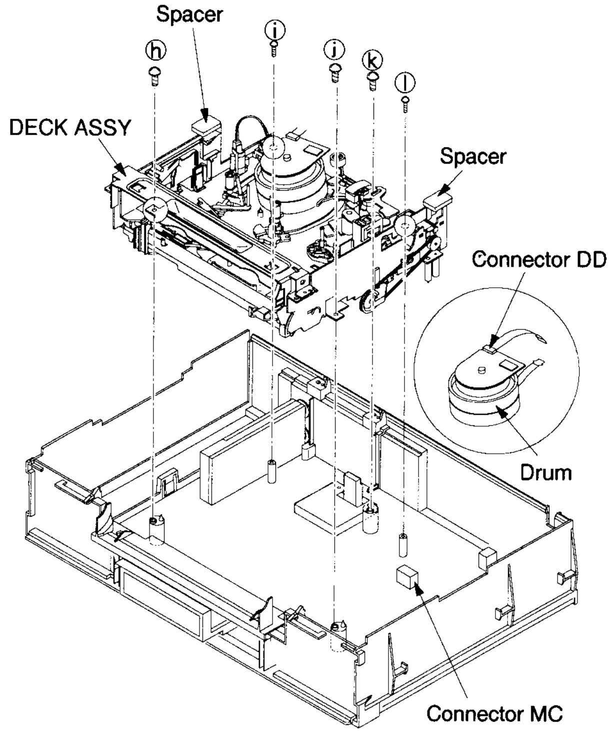

Spacer
ⓘ
ⓗ
ⓙ
ⓚ
ⓛ
DECK ASSY
Spacer
Connector DD
Drum
Connector MC

Fig. 5

5. Removal of Insert Guide

1 Remove the DECK ASSY.
(Refer to Para. 4 of the DISASSEMBLY.)
2 Remove the two screws (ⓐ and ⓑ) shown in Fig. 6.
Raise the Insert Guide upward to remove it.

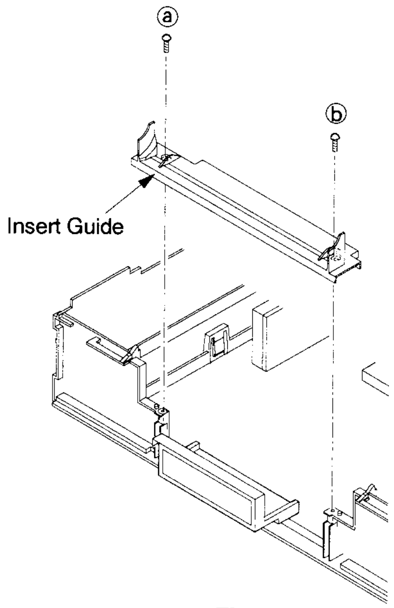

ⓐ
ⓑ
Insert Guide

Fig. 6

HOW TO EXECUTE CIRCUIT BOARD SERVICE

CAUTION: BEFORE ATTEMPTING TO REMOVE OR REPAIR ANY PCB, UNPLUG THE POWER CORD FROM THE A.C. SOURCE.

LOCATION OF PRINT CIRCUIT BOARDS

Note: Take caution when removing flat cables to prevent any contact problem.
Connect and disconnect the flat cables at right angles to the connector and make sure that it is completely secured.
After servicing the PCB, restore the flat cable and leads to their former state.

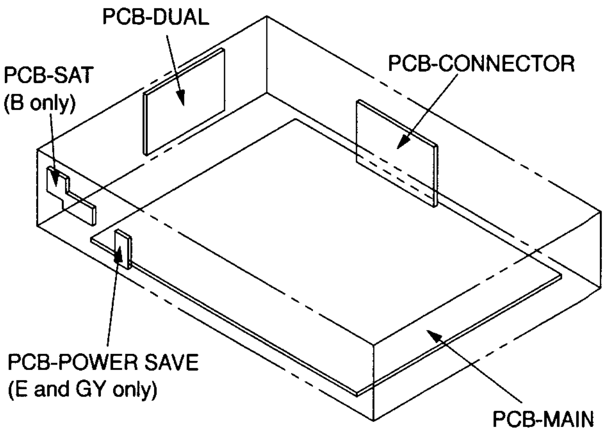

PCB-DUAL
PCB-SAT
(B only)
PCB-CONNECTOR
PCB-POWER SAVE
(E and GY only)
PCB-MAIN

Fig. 7

1. PCB-SAT (B only)

1 Remove the Top Cover.
(Refer to Para. 1 of the DISASSEMBLY.)
2 Remove the Front Panel.
(Refer to Para. 2 of the DISASSEMBLY.)
3 Disconnect connector SJ and unscrew the screw (ⓐ) as shown in Fig. 8 to remove the PCB-SAT in the direction shown by the arrow.

2. PCB-POWER SAVE (E and GY only)

1 Remove the Top Cover.
(Refer to Para. 1 of the DISASSEMBLY.)
2 Remove the Front Panel.
(Refer to Para. 2 of the DISASSEMBLY.)
3 Disconnect connector PN and unscrew the screw (ⓑ) as shown in Fig. 8 to remove the PCB-POWER SAVE in the direction shown by the arrow.

3. PCB-DUAL

1 Unfasten two catches (ⓐ and ⓑ) on the Holder as shown in Fig. 9 to remove the Holder.
2 Remove the connector HE as shown in Fig.9.
3 Raise the PCB-DUAL upward to remove it.

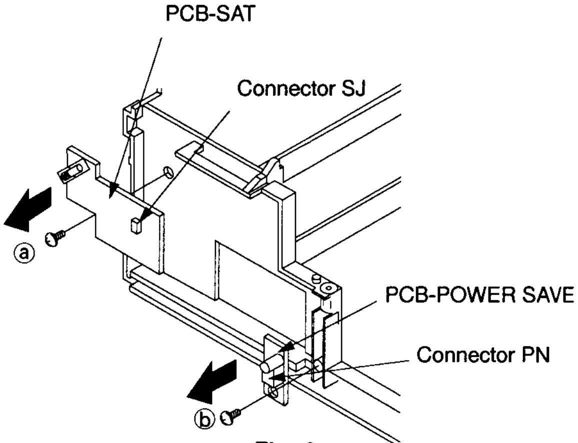

PCB-SAT
Connector SJ
ⓐ
PCB-POWER SAVE
Connector PN
ⓑ

Fig. 8

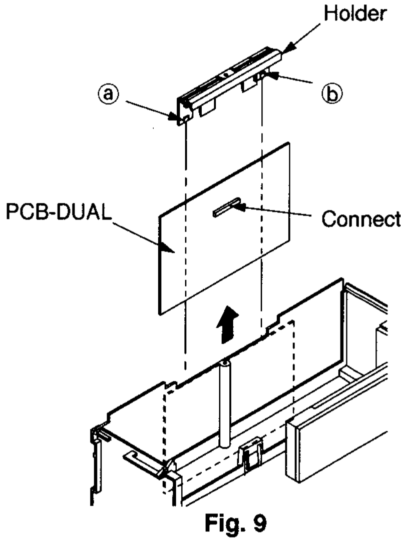

Holder
ⓐ
ⓑ
PCB-DUAL
Connector HE

Fig. 9

4. PCB-MAIN

4-1 Removal of PCB-MAIN

1 Remove the DECK ASSY.
(Refer to Para. 4 of the DISASSEMBLY.)
2 Remove the Insert Guide.
(Refer to Para. 5 of the DISASSEMBLY.)
3 Remove the two screws (ⓐ and ⓑ) shown in Fig. 10.
4 Remove the holder for the AC power cord from the Base Chassis shown in Fig. 11.

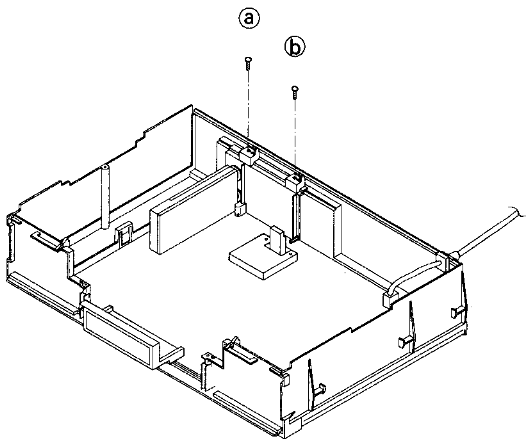


Fig. 10

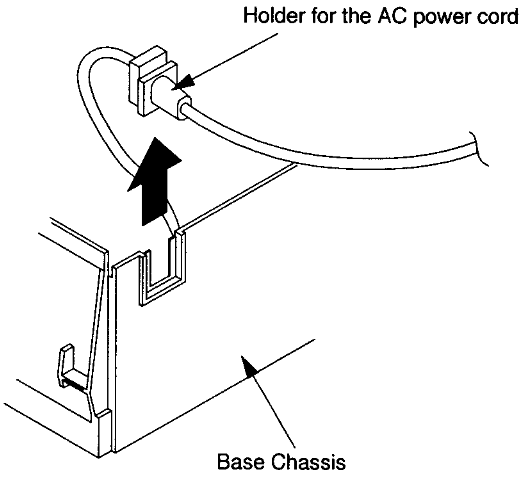

Holder for the AC power cord
Base Chassis

Fig. 11

5 Unfasten the three fastening catches (ⓐ, ⓑ and ⓒ) shown in Fig. 12. Raise the PCB-MAIN upward to remove it.

Service of PCB

- **Head Amp block**

(1) Unsolder the four soldering points of the Shield Case shown in Fig. 12 and remove it.
(2) Unsolder the two soldering points of the Shield Plate shown in Fig. 12 and remove it.

Note: Before checking the operation, mount the Shield Case and the Shield Plate on the original position. If not provided, beat or picture disturbance may appear.

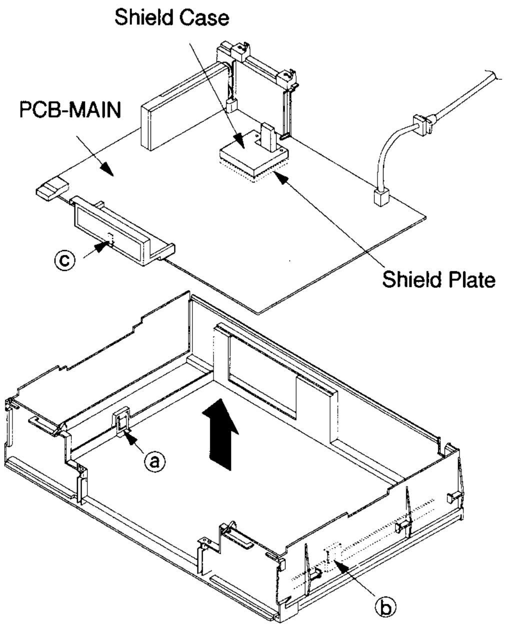


Fig. 12

Service of Transistors (Q901 [B and IR only], Q9A4, Q9A5 and Q9A7)

1 Disconnect the power plug.
2 Remove the four fastening screws (ⓐ, ⓑ, ⓒ and ⓓ) shown in Fig. 13.

Note: Check that transistors (Q901, Q9A4, Q9A5 and Q9A7) is connected to the Heat Sink 1 and Heat Sink 2 before turning the power on. If the power on is turned on without installing the Heat Sink 1, Heat Sink 2, Q901, Q9A4, Q9A5 and Q9A7 can be damaged.

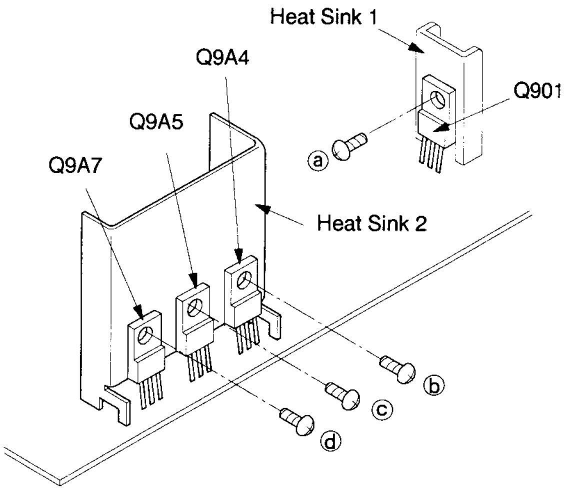


Fig. 13

4-2 Removal of PCB-CONNECTOR

1 Remove the PCB-MAIN.
(Refer to the preceding paragraph.)

2 Remove the four screws (ⓐ, ⓑ, ⓒ and ⓓ), unfasten two catches (ⓔ and ⓕ) on the Antenna Cover as shown in Fig. 14, and remove the Antenna Cover.

3 Raise the PCB-CONNECTOR upward to remove it.

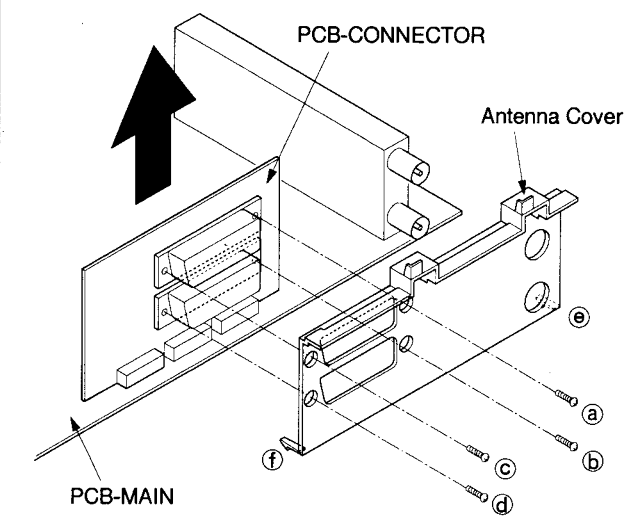
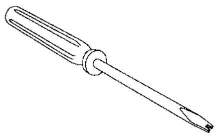
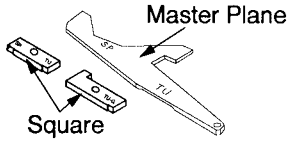
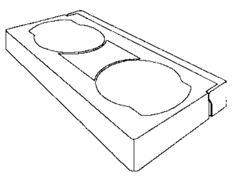
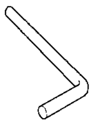
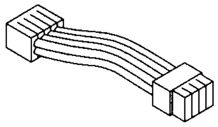
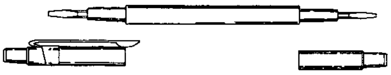
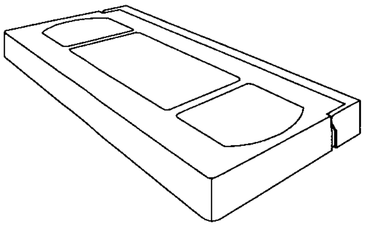

PCB-CONNECTOR
Antenna Cover
ⓔ
ⓐ
ⓑ
ⓕ
ⓒ
ⓓ
PCB-MAIN

Fig. 14

MECHANICAL ADJUSTMENT TOOLS

	PURPOSE	METHOD
Adjustment Driver (859C259080) 	For adjustment of guide rollers.	Carefully insert and adjust guide rollers.
Height adjusting Jig **• Master Plane (859C342020)** **• Square (859C433060)** 	The master plane and the square are used for measuring height and perpendicularity of the reel disk and Take up guide arm.	The gauge is applied to the part being measured.
Back Tension Gauge (859C345080) 	The back tension gauge is used for measuring the tension of the tape on the supply side.	Load this guage in the cassette housing and run in the play mode. Read the gauge indicator.
Cotton gloves	For changing, cleaning and handling of drum, heads and guides.	Use when handling all parts in the tape path.
Grease **MULTEMP SH-A (859D055080)**	Lubrication of various parts.	To be applied as specified.
L SHARPED BOX DRIVER (859C433070) 	The L SHARPED BOX DRIVER is used for tightening or removing screws which fasten the guide rollers.	Insert the screw and turn.
Extension Cable (859C433080) 	For check of DECK operation.	Connect the MC connector and the CAPSTAN MOTOR.
Oil **FLOIL (859D154020)**	Lubrication of various parts.	To be applied as specified.

ELECTRICAL ADJUSTMENT TOOLS

	PURPOSE	METHOD
Adjustment Driver (859C338000) **767-M** 	The adjustment driver is intended to adjust variable resistors, trimmers, transformers etc. in the circuitry.	Select a tip suitable for the particular head of the component concerned and adjust.
Alignment Tape **(PS2 : 859C339010)** **(PM6KH3 : 859C339030)** **(PM3KE6(CH1) 25 : 859C568050)** **(PMX : 859C568070)** 	Standard signals(VHS Standard) are recorded on the alignment tape and reproduced when required in the adjustment of Servo circuit and interchangeability alignment.	Install and run in the play mode, the same as for an ordinary tape.

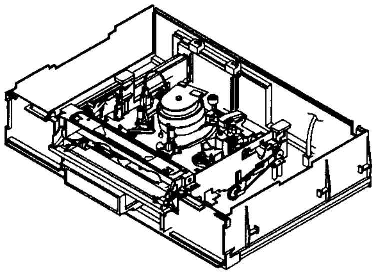
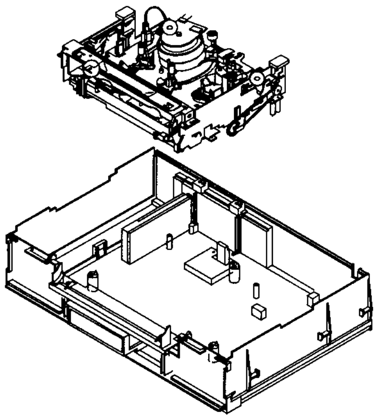
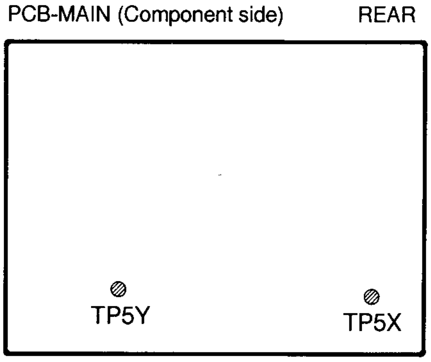
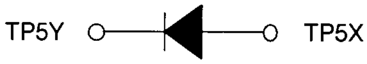
HOW TO INITIALIZE THE E²PROM

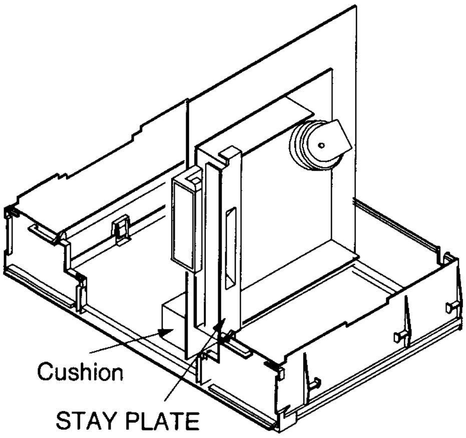
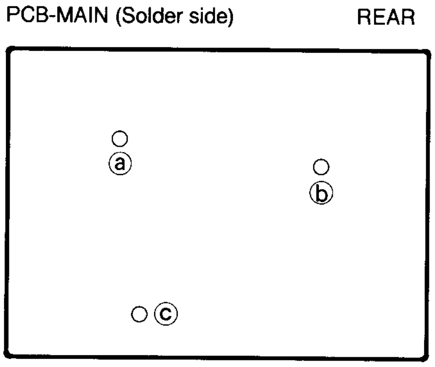
A replacement E²PROM is not initialized before shipping, so the E²PROM must be initialized when replaced.

Initialize the E²PROM by following the steps below.

1. Set the VCR to "CLOCK SET" mode. [B, E, IR]
   Set the VCR to "UHR-EINSTELLUNG" mode. [GY]
2. Push COUNTER RESET button on the remote hand unit for 8 seconds.
3. E²PROM initial setting is completed.

SERVICE POSITION

Service Position	Service Item
(A) 	• Worn parts on the deck (UPPER DRUM ASSY, PINCH ARM ASSY, A/C HEAD UNIT and FE HEAD.) can be replaced. • Checks at test points may be made to isolate a problem to a specific circuit. 1. Remove the Top Cover and Front Panel. (Refer to Para. 1 and 2 of the DISASSEMBLY.)
(B)  	• Parts on the deck can be replaced. • Service can be executed with the EE picture displayed. 1. Remove the DECK ASSY. (Refer to Para. 4 of the DISASSEMBLY.) 2. Connect TP5X and TP5Y via diode (1SS252) as shown in below.  **Note**: Make this connection before turning the power on.

Service Position	Service Item
(C)   PCB-MAIN (Solder side) 	• Operation can be checked in every mode. • Parts on the Solder side of the PCB-MAIN can be checked and replaced. 1. Remove the DECK ASSY, INSERT GUIDE, PCB-DUAL, , PCB-SAT and PCB-MAIN. (Refer to Para. 4 and 5 of the DISASSEMBLY and Para. 1, 3 and 4 of the HOW TO EXECUTE CIRCUIT BOARD SERVICE.) 2. Install the three screws (ⓐ, ⓑ and ⓒ) to secure the PCB-MAIN and DECK ASSY. **Note** :Check the connection of the MC connector. 3. Rotate the PCB-MAIN and DECK ASSY upward holding them in position. 4. Connect all connectors on PCB-MAIN. 5. Stand the DECK ASSY and the PCB-MAIN. 6. Fix the PCB-MAIN on the Base chassis, providing a cushion between them for secure installation.

DECK OPERATION CHECK

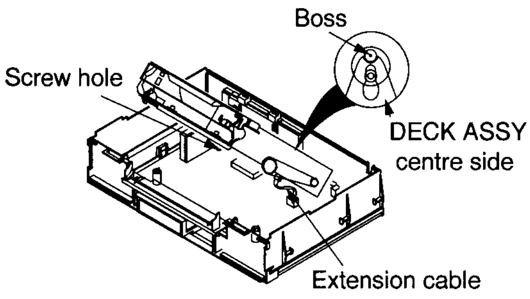


Fig. 1

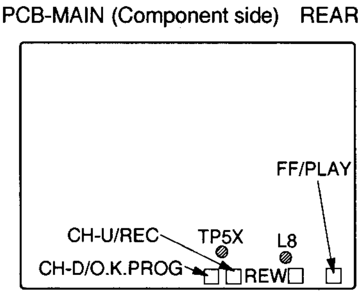


Fig. 2

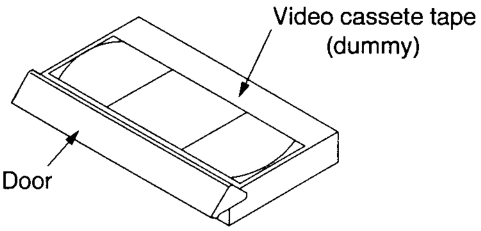


Fig. 3

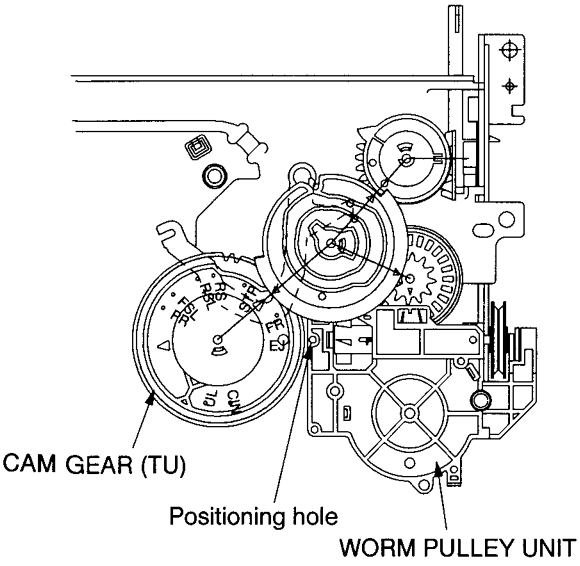


Fig. 4

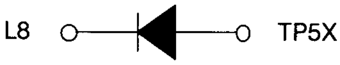
Operation of the deck position and tape running systems can be checked according to the following method.

1. Unscrew all screws fastening the DECK ASSY and Shield Case.
2. Place the DECK ASSY on the Base Chassis so that the centre of the rear side aligns with the boss and that the rear side of the supply side aligns with the screw hole as shown in Fig. 1. Raise the front side of the DECK ASSY and hold it with a support.

Note: The MODE DETECT SENSOR, START SENSOR, END SENSOR, REEL SENSOR and RECORD PROTECTION SENSOR cannot operate in this state.

- Parts on the DECK (LOADING BELT and REEL BELT) can be replaced.

3. Connect L8 and TP5X via diode (1SS252) as shown in below.



Note: Connect them before plugging in the set.

4. Insert the power cord into the receptacle.
5. Insert the video cassette tape.

Note: This check may damage the cassette tape.
Use a dummy cassette tape with a door or other tapes for check purpose only.

6. Press the CH-U/REC and CH-D/O.K.PROG buttons on the PCB-MAIN to check the deck position.

CH-U/REC button	: Operation in the loading directio.
CH-D/O.K.PROG button:	Operation in the unloading direction.

7. Connect the MC connector and the CAPSTAN MOTOR on the PCB-MAIN with the Extension cable (859C433080). Press the FF/PLAY and REW buttons on the remote hand unit to check the operation of the tape running system.

Note: Take care so that the two connectors of the Extension cable are attached in the same direction, without twisting the cable.

FF/PLAY button	: Forward rotation is implemented
REW button	: Reverse rotation is implemented

- Example: Play back, REW/FF

1. Press the CH-U/REC or CH-D/O.K.PROG button to align the character "PR" or "FR" of the CAM GEAR (TU) with the positioning hole of the WORM PULLEY UNIT shown in Fig. 4.

PR	: Playback position
FR	: REW/FF position

2. For fast forward operation check, press the FF/PLAY button on the remote hand unit to make the CAPSTAN MOTOR rotate in the forward direction. For rewind operation check, press the REW button on the remote hand unit to make the CAPSTAN MOTOR rotate in the reverse direction.

Electrical Adjustments

Perform only the alignments required. If proper equipment is not available,do not attempt an alignment.

☐PRE-ADJUSTMENT SETTINGS

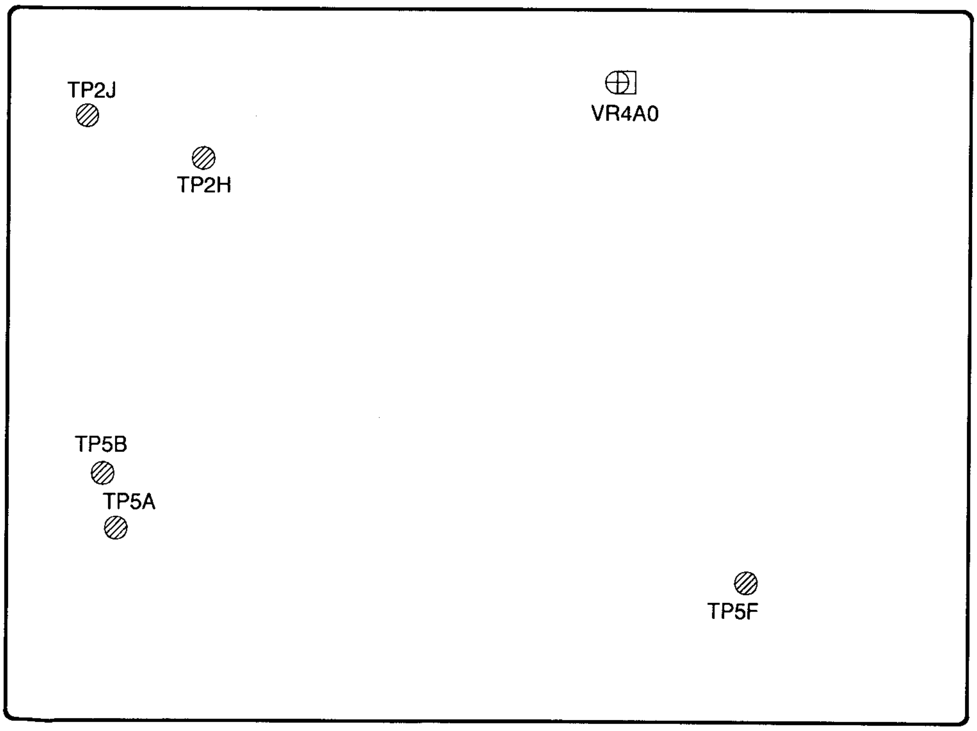
- Set the "COLOUR SYSTEM" to "PAL" mode in the MENU. [B, E, IR]
- Set the "FARBNORM" to "PAL" mode in the MENU. [GY]
- Set the "SYSTEMA" to "PAL" mode in the MENU. [GY]
- Set the "NICAM" to "OFF" mode in the MENU. [B, IR]
- Set the "NICAM/A2" to "OFF" mode in the MENU. [E]
- Set the "STEREO/2-TON" to "OFF" mode in the MENU. [GY]
- Set the "STEREO/DUALE" to "OFF" mode in the MENU. [GY]
- Set the "SHARPNESS" to "0" POSITION in the EXCELLENT PICTURE of the MENU. [B, E, IR]
- Set the "SCHAREFE" to "0" POSITION in the EXCELLENT PICTURE of the MENU. [GY]
- Set the "DEFINIZ" to "0" POSITION in the EXCELLENT PICTURE of the MENU. [GY]
- Set the "TAPE OPTIMIZER" to "OFF" mode in the EXCELLENT PICTURE of the MENU. [B, E, GY, IR]
- Set the "TAPE OPTIMIZER" to "AUS" mode in the EXCELLENT PICTURE of the MENU. [GY]
- Set the "RENTAL PB" to "OFF" mode in the INITIAL SET-UP of the MENU. [B, E, IR]
- Set the "TAPE OPTIMIZER" to "AUS" mode in the EXCELLENT PICTURE of the MENU. [GY]
- Set the "FUNZIONE RENTAL" to "OFF" mode in the SISTEMAZIONE INIZIALE of the MENU. [GY]

☐MEASURING EQUIPMENT

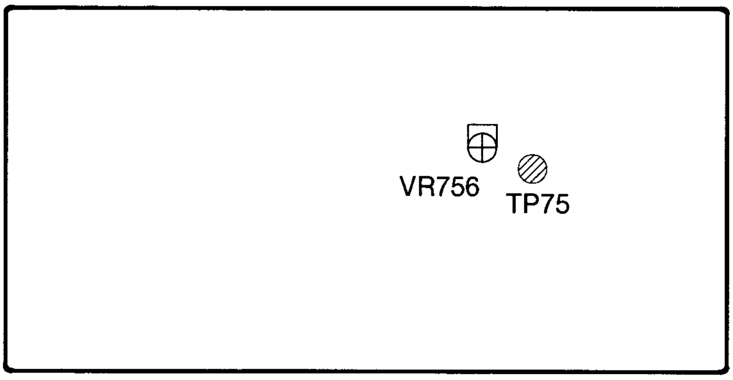
- Oscilloscope (10:1 probe unless 1:1 specified.)
- Frequency counter
- Electrical tools

LOCATIONS

PCB-MAIN (Component side) **REAR**



PCB-DUAL (Component side) **TOP**

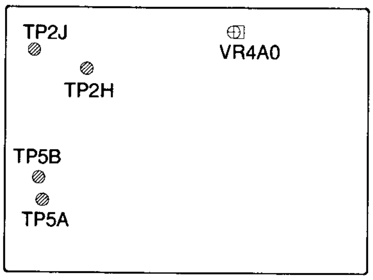


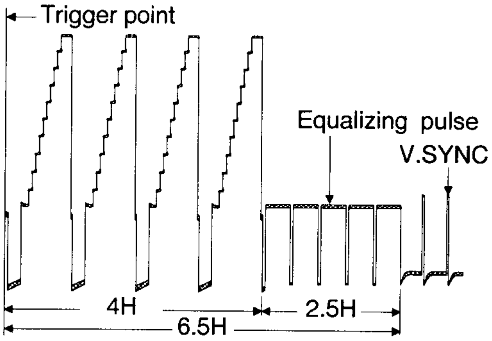
[Servo circuit] 1. Playback Switching Point	**Adjustment purpose**	Video switch over timing during playback.
	Symptom when incorrectly adjusted	Switching noise or jitter in the playback picture.

Measuring instrument and condition		**VCR set up condition**	
Oscilloscope		**Input signal**	– – –
Test point	TP2J	**Using tape**	Alignment tape (PS2, stair step)
EXT trigger	TP2H	**VCR condition**	Playback
Measurement range	DIV 20mV TIM 50μs	**Using Jig**	– – –

1. Playback an alignment tape (PS2, stair step).
2. Short-circuit TP5A to TP5B. Confirm that the "D" displayed in Fluorescent Display flashes fast.
3. Observe the waveform at TP2J.
4. Set the oscilloscope's slope to (–).
5. Adjust VR4A0 so that the trigger point is located at 6.5±1.0H before the vertical synchronizing signal.
6. Open-circuit TP5A to TP5B.

PCB-MAIN (Component side)



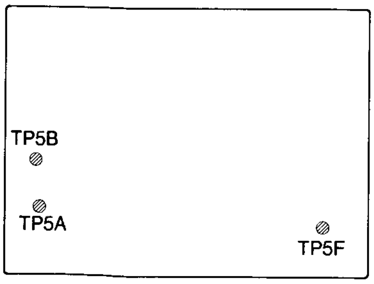


[Timer circuit] 2. Clock Frequency Correction	**Adjustment purpose**	To set the accuracy of clock.
	Symptom when incorrectly adjusted	Poor clock accuracy.

Measuring instrument and condition		**VCR set up condition**	
Frequency Counter		**Input signal**	– – –
Test point	TP5F	**Using tape**	– – –
EXT trigger	– – –	**VCR condition**	POWER off
Measurement range	– – –	**Using Jig**	– – –

1. Set the VCR to POWER off.
   (With the tape ejected from VCR.)
2. Short-circuit TP5A to TP5B.
3. Observe the frequency at TP5F.
4. Be certain that the frequency is between 262.1000 ~ 262.1882kHz.
5. Use the number buttons on the remote hand unit to enter the last three digits of the frequency counter reading (262.1ⓐⓑⓒkHz).
   (Confirm that the " • " is not displayed in fluorescent display.)
   Enter the digits in ⓐⓑⓒ sequence.
6. Push the REC button on the remote hand unit.
   (Confirm that the " • " is displayed in fluorescent display.)
7. Open-circuit TP5A to TP5B.

PCB-MAIN (Component side)



[Dual Audio circuit] 3. Channel Separation ([E,GY] only)	**Adjustment purpose**	Positioning of audio separation.
	Symptom when incorrectly adjusted	Mixing audio separation.

Measuring instrument and condition		**VCR set up condition**	
Oscilloscope		**Input signal**	RF signal (Stereo sound)
Test point	TP75	**Using tape**	– – –
EXT trigger	– – –	**VCR condition**	STOP
Measurement range	DIV 20mV TIM 2ms	**Using Jig**	– – –

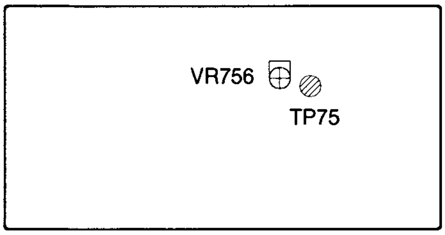
1. Supply an RF signal.

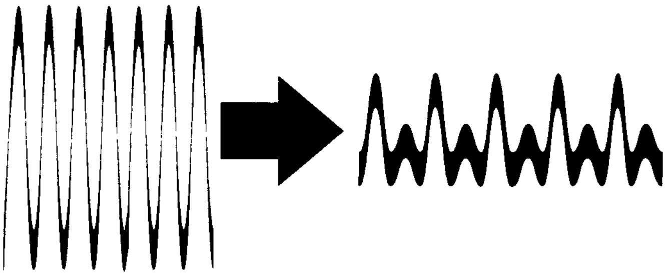
PILOT	50% AM MODULATION
RIGHT CH	1kHz,100% FM MODULATION
LEFT CH	NO MODULATION
RF INPUT	70dBμ(75Ω LOAD)

2. Set the VCR to STEREO mode.
3. Set the VCR to TUNER mode.
4. Observe the waveform at TP75.
5. Adjust VR756 so that the audio output signal at L-CH is minimum.

Note: This adjustment should be done precisely because it determines the separation.

PCB-DUAL (Component side)





MECHANICAL ADJUSTMENT AND REPLACEMENT

1. Cleaning the DECK

The following parts require cleaning whenever serviced to maintain satisfactory performance.

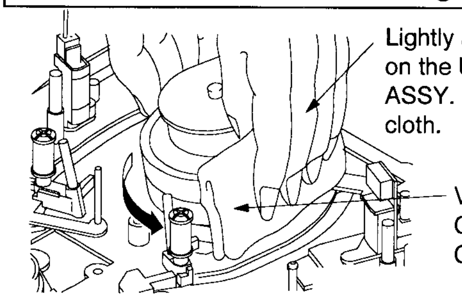
1-1 VIDEO HEAD

1. Clean the VIDEO HEADs by the following method. Dust and other foreign objects on the VIDEO HEADs disturb the normal playback picture.
   Dampen a VIDEO HEAD CLEANING CLOTH with alcohol. Hold the cloth against the DRUM and slowly turn the DRUM counte-rclockwise to clean.

Note : Do not directly touch the HEAD attached to the UPPER DRUM ASSY. The HEAD is very hard but brittle to impact, especially in the vertical direction.
Do not apply force in the vertical direction.

2. Allow residual alcohol to dry thoroughly before running a tape. Otherwise, the liquid may stick to and damage the tape.

UPPER DRUM ASSY cleaning



Lightly apply the cloth on the UPPER DRAM ASSY. Do not move the cloth.

1-2 Tape Transport (Refer to Fig. 1.)

Clean the following parts of the Tape transport.

1. TENSION PIN
2. GUIDE POLE (SP)
3. FE HEAD
4. SLANT POLE (SP)
5. UPPER/LOWER DRUM ASSY
6. SLANT POLE (TU)
7. A/C HEAD
8. GUIDE POLE (TU)
9. CAPSTAN SHAFT
10. GUIDE PIN (TU)
11. GUIDE ROLLER (SP)
12. GUIDE ROLLER (TU)
13. PINCH ROLLER
14. IMPEDANCE UNIT (SP)

1. Clean the tape transport using gauze dampened with alcohol, except the GUIDE ROLLER (SP), GUIDE ROLLER (TU) and PINCH ROLLER for which dry gauze should be used.
2. Allow residual alcohol to dry thoroughly before running a tape. Otherwise the liquid may stick to and damage the tape.

1-3 REEL DISK Drive System

1. Clean the REEL DISK braking surfaces and the REEL BELT.
2. Clean the REEL DISK drive system using gauze dampened with alcohol, except the REEL BELT for which dry gauze shall be used.
3. Allow residual alcohol to dry thoroughly before operation.

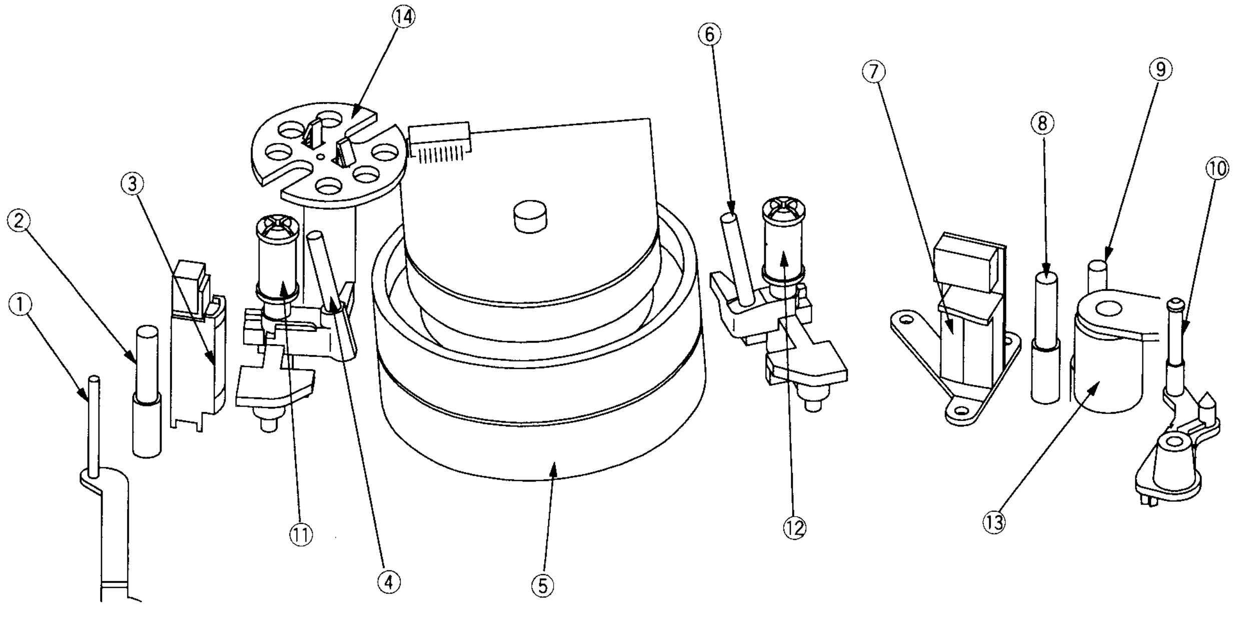


Fig. 1

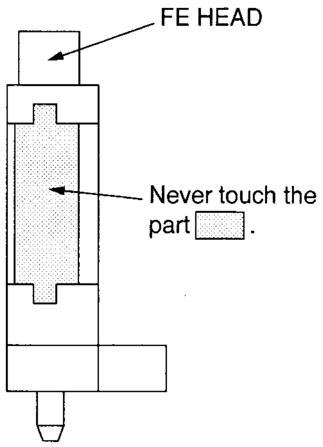

FE HEAD
Never touch the part ▨.

Fig. 2-5-2

2-6 SHUT LEVER UNIT

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- STAY PLATE (Para. 2-2)
- BOTTOM UNIT (Para. 2-3)

(Removal)

1 Unfasten the two catches (ⓐ and ⓑ) of the SHUT LEVER UNIT shown in Fig. 2-6-1 to remove the SHUT LEVER UNIT.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-6-1 on the MAIN PLATE ASSY.
2 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-6-1 on the new SHUT LEVER UNIT.
3 Install the SHUT LEVER UNIT shown in Fig. 2-6-1.
4 Insert the spring of the SHUT LEVER UNIT under groove of the MAIN PLATE ASSY shown in Fig. 2-6-2.
5 Make sure that the SHUT LEVER UNIT returns in the direction shown by arrow Ⓑ when it is moved in the direction shown by arrow Ⓐ.

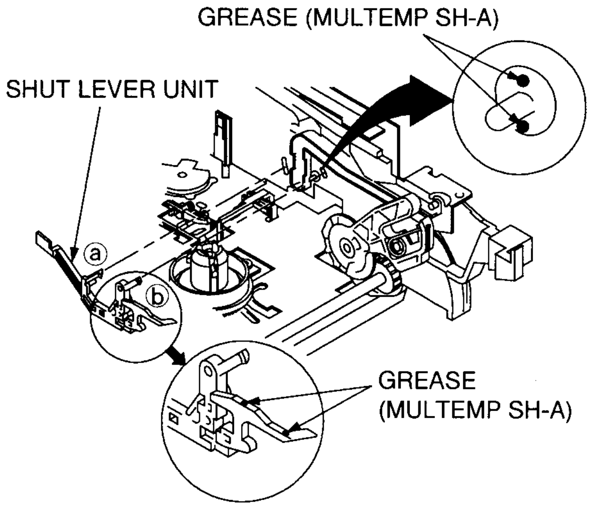

GREASE (MULTEMP SH-A)
SHUT LEVER UNIT
ⓐ
ⓑ
GREASE
(MULTEMP SH-A)

Fig. 2-6-1

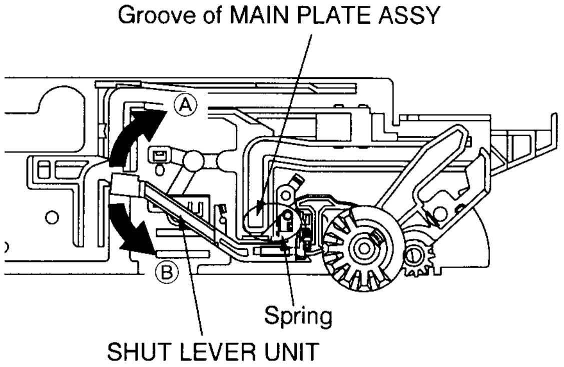

Groove of MAIN PLATE ASSY
Ⓐ
Ⓑ
Spring
SHUT LEVER UNIT

Fig. 2-6-2

2-7 LAMP GUIDE, MODE POSITION GUIDE

Position the set normally.

(Removal)

1 Unfasten the catch (ⓐ) of the MAIN PLATE ASSY shown in Fig. 2-7-1 to remove the LAMP GUIDE.

2 Unfasten the catch (ⓑ) of the MODE POSITION GUIDE shown in Fig. 2-7-1 to remove the MODE POSITION GUIDE.

(Installation)

1 Clean the part A of the MODE POSITION GUIDE shown in Fig. 2-7-2 with the VIDEO HEAD CLEANING CLOTH.

Note : Never use alcohol or equivalent solvent.

2 Install the MODE POSITION GUIDE shown in Fig. 2-7-1.

3 Clean the part B of the LAMP GUIDE shown in Fig. 2-7-2 with the VIDEO HEAD CLEANING CLOTH.

Note : Never use alcohol or equivalent solvent.

4 Install the LAMP GUIDE shown in Fig. 2-7-1.

5 After installing the LAMP GUIDE and MODE POSITION GUIDE, clean the surface of them with the VIDEO HEAD CLEANING CLOTH.

Note : Never use alcohol or equivalent solvent.

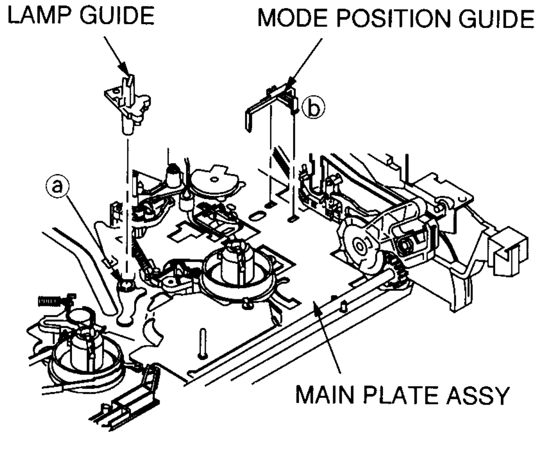

LAMP GUIDE
MODE POSITION GUIDE
ⓑ
ⓐ
MAIN PLATE ASSY

Fig. 2-7-1

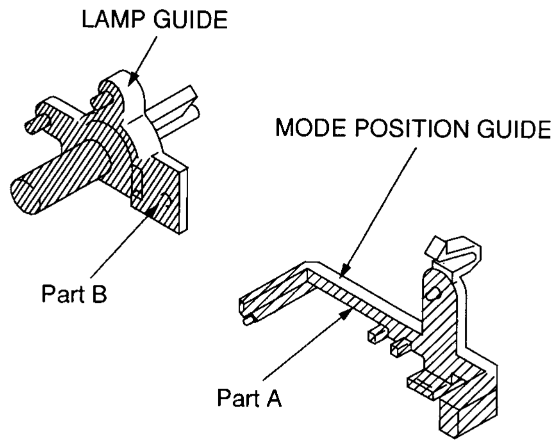

LAMP GUIDE
MODE POSITION GUIDE
Part B
Part A

Fig. 2-7-2

2-8 TENSION SPRING, TENSION ARM, TENSION BELT UNIT

Position the set normally.

(Removal)

1 Remove the TENSION SPRING shown in Fig. 2-8-1.
2 Move the part A of the MAIN PLATE ASSY shown in Fig 2-8-3 in the direction shown by arrow Ⓐ with a minus driver, etc.
3 Unfasten the two catches (ⓐ and ⓑ) of the TENSION BELT UNIT shown in Fig. 2-8-1. Unfasten the catch (ⓒ) of the MAIN PLATE ASSY. Remove the TENSION BELT UNIT with the TENSION ARM attached.
4 Unfasten the two catches (ⓓ and ⓔ) of the TENSION BELT UNIT shown in Fig. 2-8-2 to remove the TENSION ARM .

(Installation)

1 Attach the TENSION ARM on the TENSION BELT UNIT shown in Fig. 2-8-2.
2 Fasten the TENSION BELT UNIT around the part shown in Fig. 2-8-3 of the REEL DISK (On SP side).

Note : Take care never to make GREASE or OIL adhere to the TENSION BELT UNIT during installation.

3 Move the part A of the spring of the TENSION LEVER UNIT shown in Fig. 2-8-4 in the direction shown by the arrow and install the TENSION ARM on the position shown in Fig. 2-8-4.
4 Move the part A of the MAIN PLATE ASSY in the opposite direction of arrow Ⓐ to let it enter the concave portion of the TENSION BELT UNIT as shown in Fig. 2-8-3 so that it points to the centre of the REEL DISK (On SP side).
5 Install the TENSION SPRING shown in Fig. 2-8-1.
6 Perform “Adjustment of BACK TENSION and TENSION PIN Position” in Para. 3-1 of “Interchangeability Adjustment of the Mechanism”.

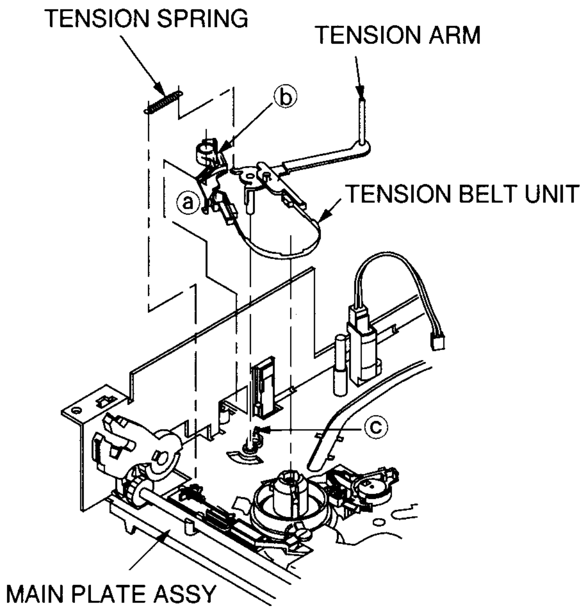


Fig. 2-8-1

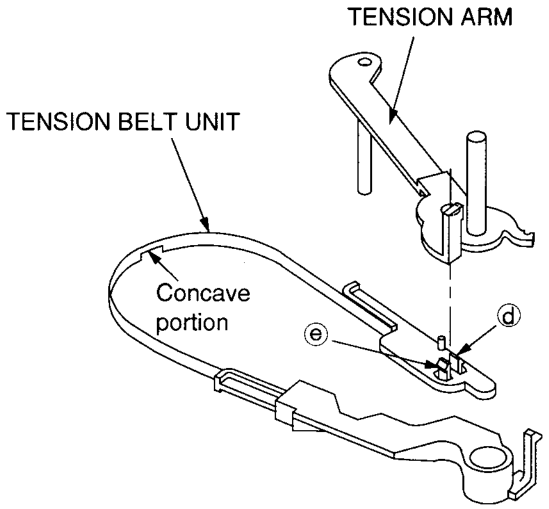


Fig. 2-8-2

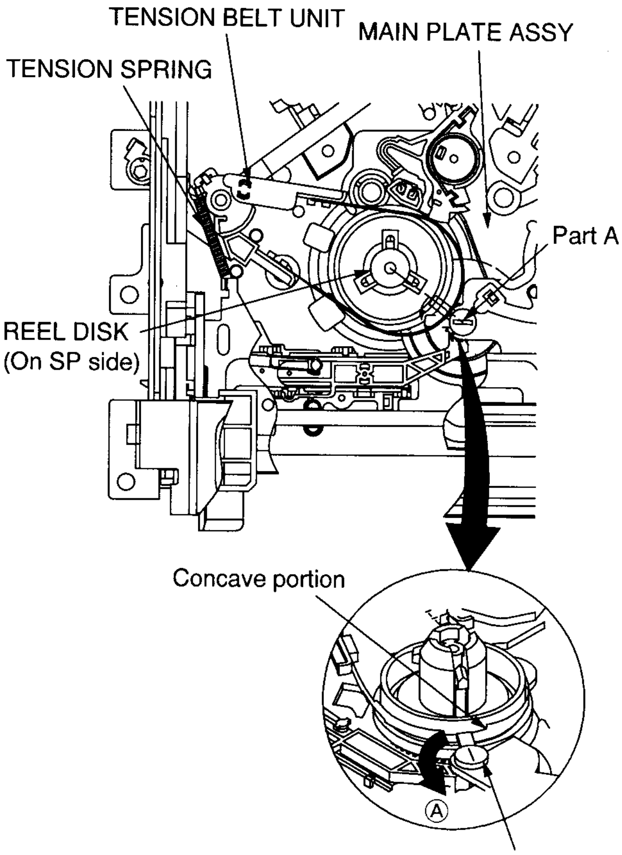

TENSION BELT UNIT
MAIN PLATE ASSY
TENSION SPRING
Part A
REEL DISK
(On SP side)
Concave portion
Ⓐ
Part A

Fig. 2-8-3

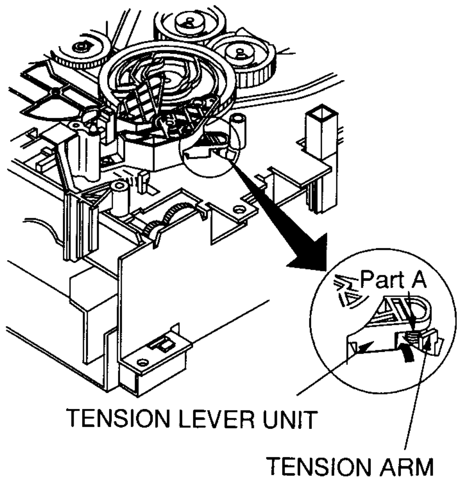

Part A
TENSION LEVER UNIT
TENSION ARM

Fig. 2-8-4

2-9 BRAKE SPRING (for MAIN BRAKE (SP)), MAIN BRAKE (SP), BRAKE SPRING (for MAIN BRAKE (TU)), MAIN BRAKE (TU)

Position the set normally.

(Removal)

1. Remove the BRAKE SPRING (for MAIN BRAKE (SP)) shown in Fig. 2-9.
2. Unfasten the catch (ⓐ) of the MAIN BRAKE (SP) shown in Fig. 2-9 with tweezers, etc. to remove the MAIN BRAKE (SP).
3. Remove the BRAKE SPRING (for MAIN BRAKE (TU)) shown in Fig. 2-9.
4. Unfasten the catch (ⓑ) of the MAIN BRAKE (TU) shown in Fig. 2-9 to remove the MAIN BRAKE (TU).

(Installation)

1. Install the MAIN BRAKE (TU) shown in Fig. 2-9.
2. Install the BRAKE SPRING (for MAIN BRAKE (TU)) shown in Fig. 2-9.
3. Install the MAIN BRAKE (SP) shown in Fig. 2-9.
4. Install the BRAKE SPRING (for MAIN BRAKE (SP)) shown in Fig. 2-9.

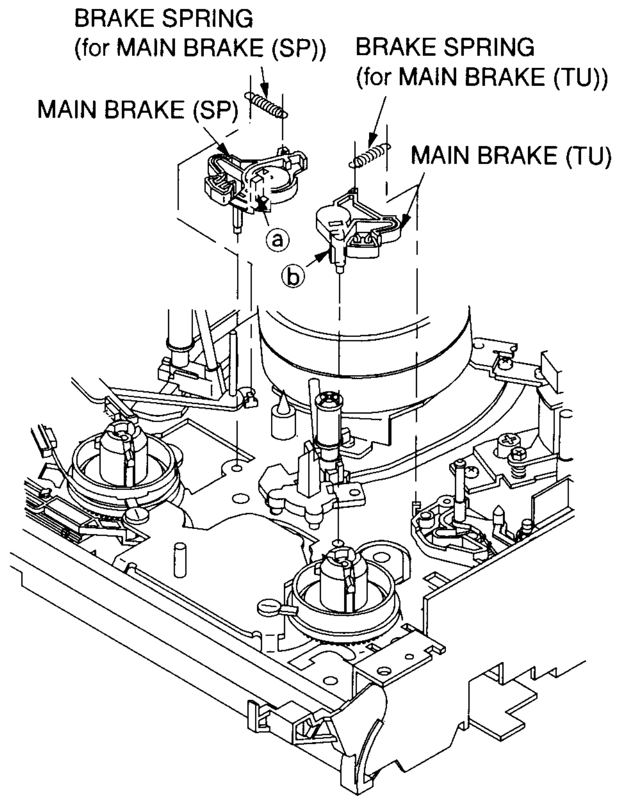

BRAKE SPRING (for MAIN BRAKE (SP))
BRAKE SPRING (for MAIN BRAKE (TU))
MAIN BRAKE (SP)
MAIN BRAKE (TU)
ⓐ
ⓑ

Fig. 2-9

2-10 REEL DISK (On SP side), REEL DISK (On TU side)

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- TENSION SPRING (Para. 2-8)
- TENSION ARM (Para. 2-8)
- TENSION BELT UNIT (Para. 2-8)

(Removal)

1. Move the MAIN BRAKE (SP) in the direction shown by arrow Ⓐ hold it in that state. Remove the REEL DISK (On SP side) as shown in Fig. 2-10-1.
2. Move the part B in the direction shown by arrow Ⓑ with a minus screw driver as shown in Fig. 2-10-1.
3. Move the MAIN BAKE (TU) in the direction shown by arrow Ⓒ hold it in that state. Remove the REEL DISK (On TU side) as shown in Fig. 2-10-1.

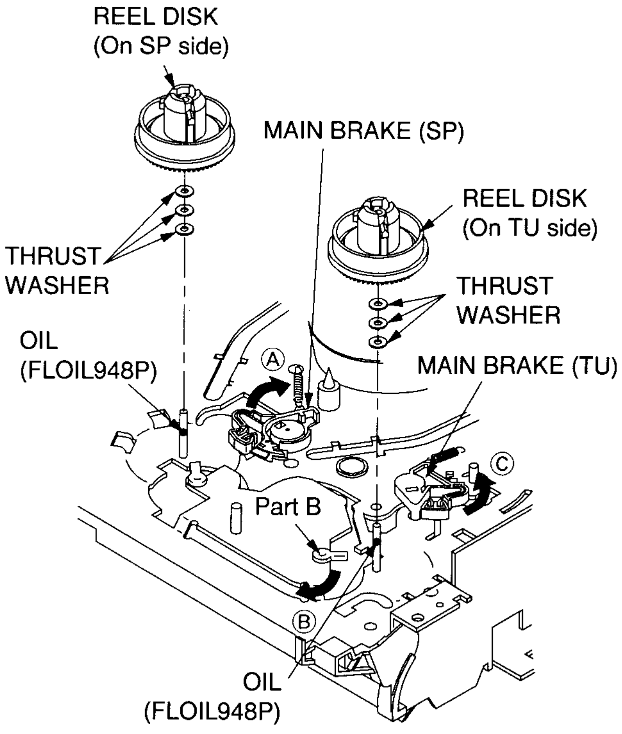

REEL DISK (On SP side)
MAIN BRAKE (SP)
REEL DISK (On TU side)
THRUST WASHER
THRUST WASHER
OIL (FLOIL948P)
MAIN BRAKE (TU)
Ⓐ
Part B
Ⓒ
Ⓑ
OIL (FLOIL948P)

Fig. 2-10-1

(Installation)

1 Apply OIL (FLOIL 948P) [859D154020] to the shaft shown in Fig. 2-10-1 in which the REEL DISK (On SP side) on the MAIN PLATE ASSY is to enter.
2 Install the REEL DISK (On SP side) shown in Fig. 2-10-1.
3 Place the height adjustment jig [MASTER PLANE] (859C342020) shown in Fig. 2-10-2 in the reference position.
(Place the MASTER PLANE so that the points A, B and C of the MAIN PLATE ASSY support it.)
4 Place the height adjustment jig [SQUARE] (859C433060) shown in Fig. 2-10-2 on the MASTER PLANE. Move it to the position shown in Fig. 2-10-3 to make sure that A can pass but B cannot pass under the REEL DISK (On SP side).
5 If the height of the REEL DISK (On SP side) is not correct, adjust it to the height specified in Item 4 by removing or adding the THRUST WASHER to be fixed to the shaft under the REEL DISK (On SP side).
  - If it is high, remove THRUST WASHER.
  - If it is low, add THRUST WASHER.
6 Install the TENSION BELT UNIT, TENSION ARM and TENSION SPRING.
(Refer to Para. 2-8 for the installation method.)
7 Make sure that the REEL DISK (On SP side) shown in Fig. 2-10-1 cannot come off.
8 Apply OIL (FLOIL 948P) [859D154020] to the shaft shown in Fig. 2-10-1 in the REEL DISK (On TU side) on the MAIN PLATE ASSY is to enter.
9 Install the REEL DISK (On TU side) shown in Fig. 2-10-1.
10 Place the height adjustment jig [MASTER PLANE] (859C342020) shown in Fig. 2-10-2 in the reference position.
(Place the MASTER PLANE so that the points A, B and C of the MAIN PLATE ASSY support it.)
11 Place the height adjustment jig [SQUARE] (859C433060) shown in Fig. 2-10-2 on the MASTER PLANE. Move it to the position shown in Fig. 2-10-4 to make sure that A can pass but B cannot pass under the REEL DISK (On TU side).
12 If the height of the REEL DISK (On TU side) is not correct, adjust it to the height specified in Item 11 by remove or adding the THRUST WASHER to be fixed to the shaft under the REEL DISK (On TU side).
  - If it is high, remove THRUST WASHER.
  - If it is low, add THRUST WASHER.
13 Move the part B of the MAIN PLATE ASSY in the opposite direction of arrow Ⓑ as shown in Fig. 2-10-1 so that it points to the centre of the REEL DISK (On TU side).
14 Make sure that the REEL DISK (On TU side) shown in Fig. 2-10-1 cannot come off.

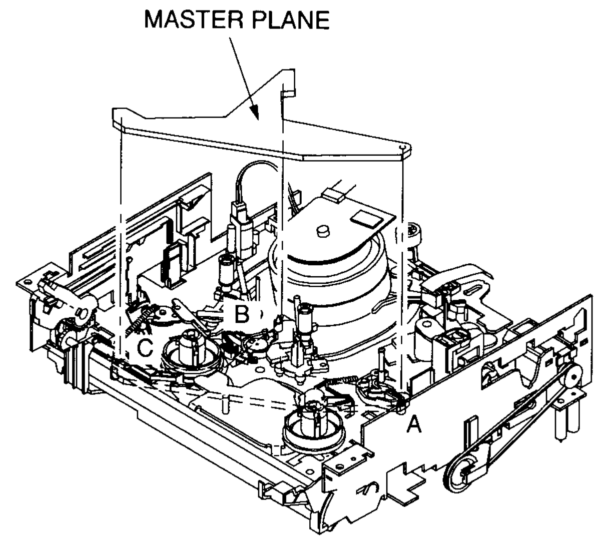


Fig. 2-10-2

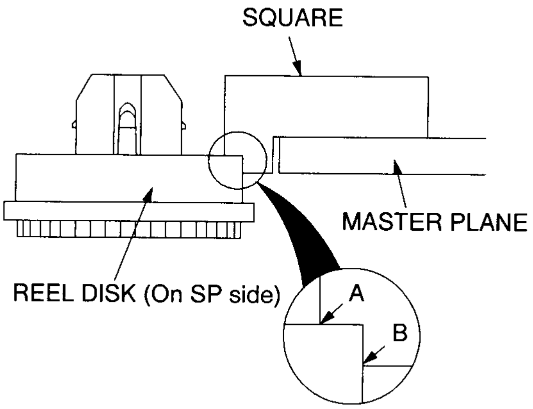


Fig. 2-10-3

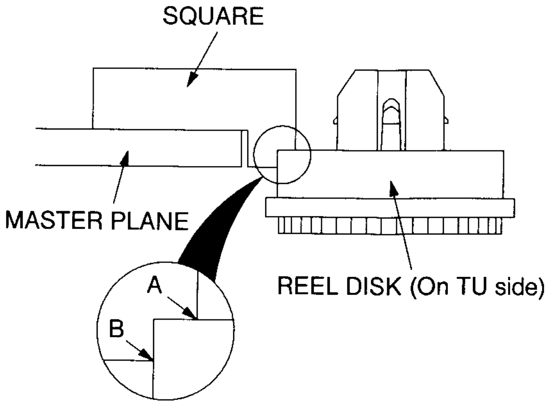


Fig. 2-10-4

2-11 LOADING BELT, LOADING MOTOR ASSY

Position the set normally.

(Removal)

1 Remove the LOADING BELT shown in Fig. 2-11-1.

2 Unfasten the two catches (ⓐ and ⓑ) of the LOADING MOTOR ASSY shown in Fig. 2-11-2 and the two catches (ⓒ and ⓓ) of it shown in Fig. 2-11-2 to remove the LOADING MOTOR ASSY.

(Installation)

1 Install the LOADING MOTOR ASSY shown in Fig. 2-11-2.

2 Fasten the LOADING BELT shown in Fig. 2-11-1.

Note : Take care never to make GREASE or OIL adhere to the LOADING BELT during installation.

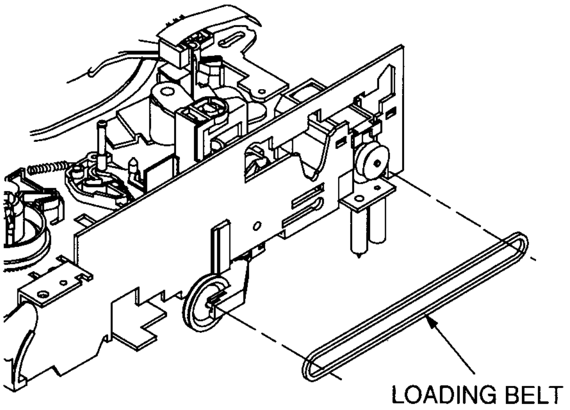


Fig. 2-11-1

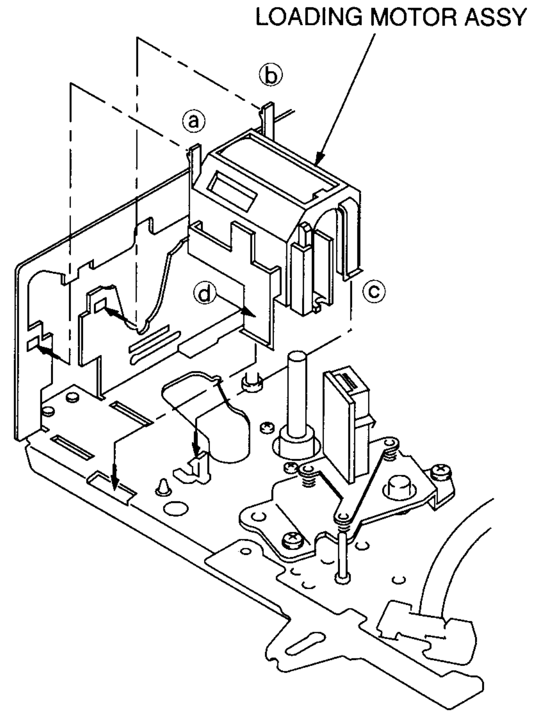


Fig. 2-11-2

2-12 PINCH ARM CAP 2, PINCH ARM UNIT, PINCH GEAR ARM 2, PINCH CAM HOLDER, PINCH CAM SPRING, PINCH CAM LEVER, PINCH RACK SLIDER, PINCH CAM GEAR

Position the set normally.

(Removal)

1 Unfasten the two catches (ⓐ and ⓑ) of the PINCH ARM CAP 2 shown in Fig. 2-12-1 with the tweezers, etc. to remove the PINCH ARM CAP 2.

2 Move the PINCH ARM UNIT in the direction shown by arrow Ⓐ to remove it as shown in Fig. 2-12-1.

3 Remove the PINCH GEAR ARM 2 shown in Fig. 2-12-1.

4 Remove the PINCH CAM SPRING shown in Fig. 2-12-1.

5 Remove the PINCH CAM LEVER shown in Fig. 2-12-1.

6 Unfasten the catch (ⓒ) of the PINCH RACK SLIDER shown in Fig. 2-12-1. Move the PINCH RACK SLIDER in the direction shown by arrow Ⓑ to remove it.

7 Unscrew the screw (ⓓ) of the PINCH CAM HOLDER shown in Fig. 2-12-1 to remove the PINCH CAM HOLDER.

8 Remove the PINCH CAM GEAR shown in Fig. 2-12-1.

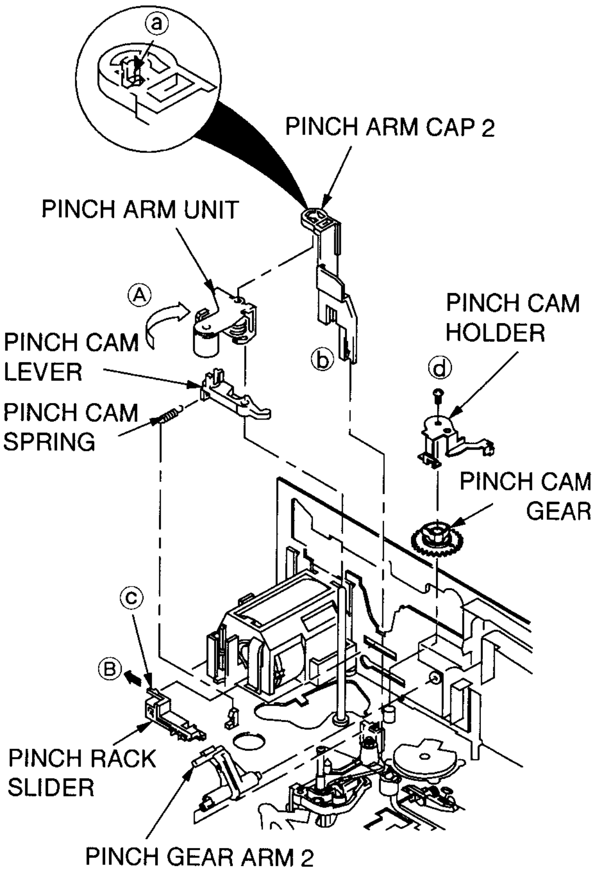

ⓐ
PINCH ARM CAP 2
PINCH ARM UNIT
Ⓐ
PINCH CAM LEVER
PINCH CAM SPRING
ⓑ
PINCH CAM HOLDER
ⓓ
PINCH CAM GEAR
ⓒ
Ⓑ
PINCH RACK SLIDER
PINCH GEAR ARM 2

Fig. 2-12-1

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-12-2 on the new PINCH CAM GEAR.

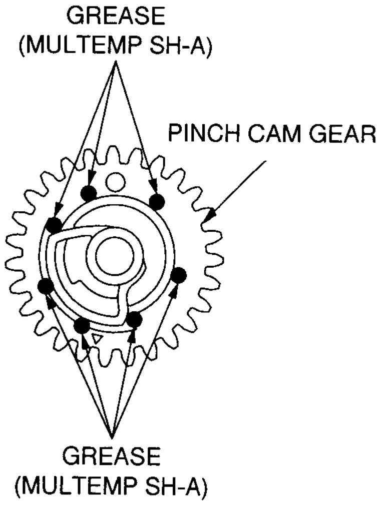

GREASE
(MULTEMP SH-A)
PINCH CAM GEAR
GREASE
(MULTEMP SH-A)

Fig. 2-12-2

2 Set the PINCH CAM GEAR so that the Δ mark on it matches with the Δ mark on the PINCH WORM GEAR as shown in Fig. 2-12-3 and install it.
3 Install the PINCH CAM HOLDER on the position shown in Fig. 2-12-4.
4 Move the PINCH RACK SLIDER in the direction shown by the arrow as shown in Fig. 2-12-5.
5 Make sure that the catch (ⓐ) of the PINCH RACK SLIDER enters the hole of the MAIN PLATE ASSY as shown in Fig. 2-12-5.
6 Install the PINCH CAM LEVER shown in Fig. 2-12-1.
7 Install the PINCH CAM SPRING shown in Fig. 2-12-1.

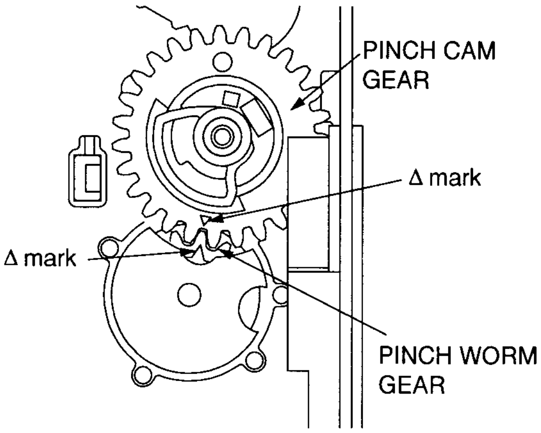

PINCH CAM GEAR
Δ mark
Δ mark
PINCH WORM GEAR

Fig. 2-12-3

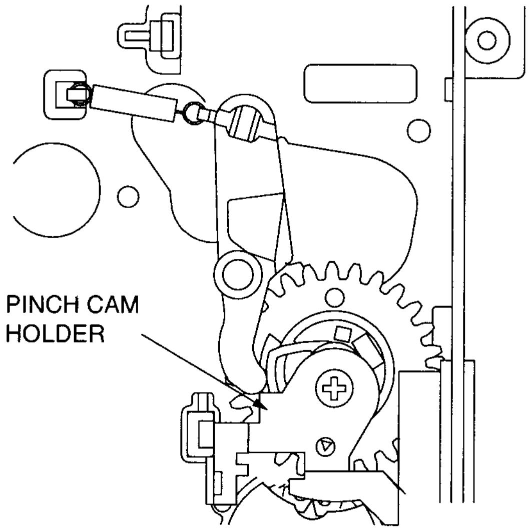

PINCH CAM HOLDER

Fig. 2-12-4

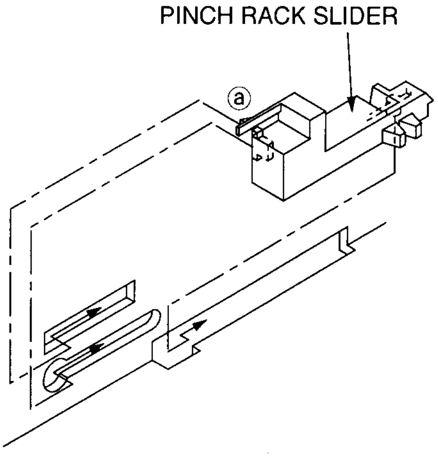

PINCH RACK SLIDER
ⓐ

Fig. 2-12-5

8 Apply GREASE (MULTEMP SH-A) [859D055O80] to the area specified in Fig. 2-12-6 on the new PINCH GEAR ARM 2.

9 Install the PINCH GEAR ARM 2 shown in Fig. 2-12-7 so that the boss of the PINCH GEAR ARM 2 and the shaft of the MAIN PLATE ASSY are positioned as shown.

10 Move the PINCH ARM UNIT in the opposite direction of arrow Ⓐ to install it as shown in Fig. 2-12-1.

11 Install the PINCH ARM CAP 2 shown in Fig. 2-12-1.

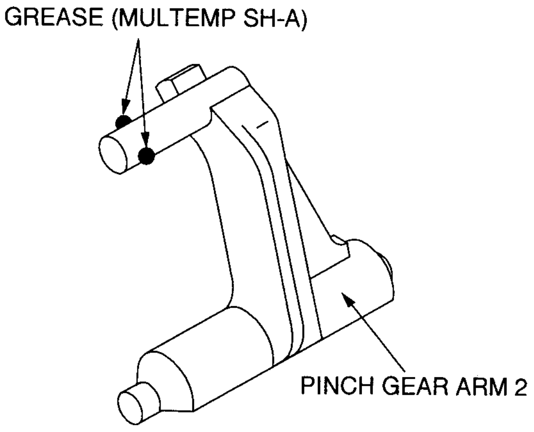

GREASE (MULTEMP SH-A)
PINCH GEAR ARM 2

Fig. 2-12-6

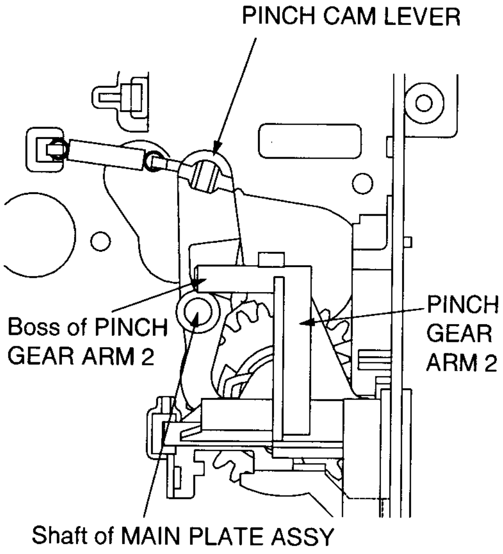

PINCH CAM LEVER
Boss of PINCH GEAR ARM 2
PINCH GEAR ARM 2
Shaft of MAIN PLATE ASSY

Fig. 2-12-7

2-13 GUIDE ARM ASSY (TU), GUIDE SPRING (TU), LOADING TG LEVER

Position the set normally.

(Removal)

1 Remove the NYLON NUT shown in Fig. 2-13-1 to remove the SL WASHER (ⓐ), the GUIDE ARM ASSY (TU) and GUIDE SPRING (TU).

2 Remove the CUT WASHER (ⓑ) fastening the LOADING TG LEVER shown in Fig. 2-13-1.

3 Unfasten the two catches (ⓒ and ⓓ) of the LOADING TG LEVER shown in Fig. 2-13-1 to remove the LOADING TG LEVER.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-13-2 on the new LOADING TG LEVER.

2 Install the LOADING TG LEVER shown in Fig. 2-13-1.

3 Install the CUT WASHER (ⓑ) shown in Fig. 2-13-1 to fasten the LOADING TG LEVER.52

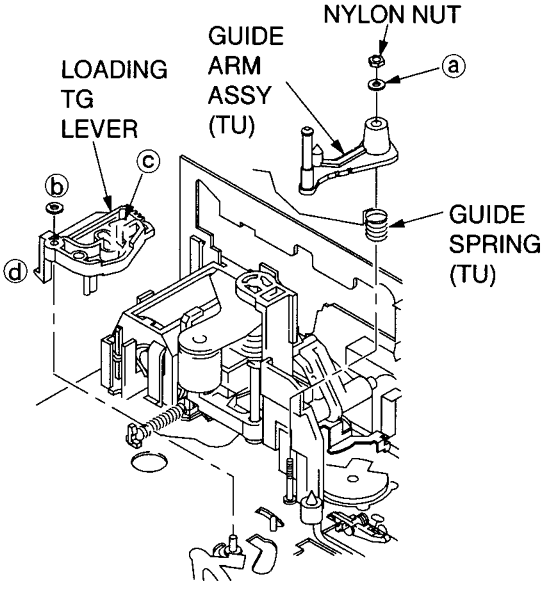

NYLON NUT
ⓐ
GUIDE ARM ASSY (TU)
LOADING TG LEVER
ⓒ
ⓑ
ⓓ
GUIDE SPRING (TU)

Fig. 2-13-1

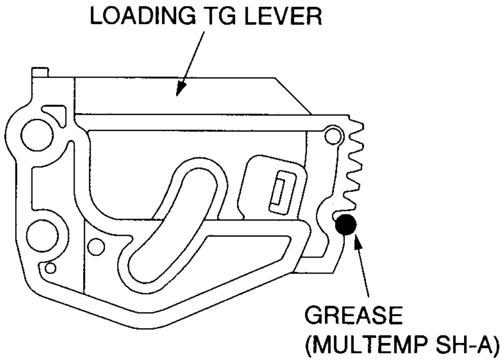

LOADING TG LEVER
GREASE (MULTEMP SH-A)

Fig. 2-13-2

4 Fix the GUIDE SPRING (TU) to the GUIDE ARM ASSY (TU) as shown in Fig. 2-13-3.

5 Fix the GUIDE ARM ASSY (TU) with the GUIDE SPRING (TU) attached shown in Fig. 2-13-1 to the shaft of the MAIN PLATE ASSY.

6 Install the GUIDE SPRING (TU) on the position shown in Fig. 2-13-4.

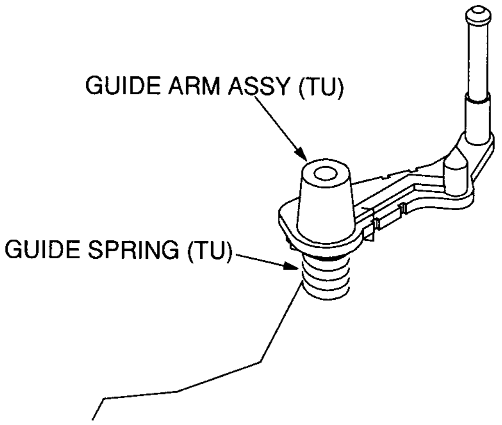

GUIDE ARM ASSY (TU)
GUIDE SPRING (TU)

Fig. 2-13-3

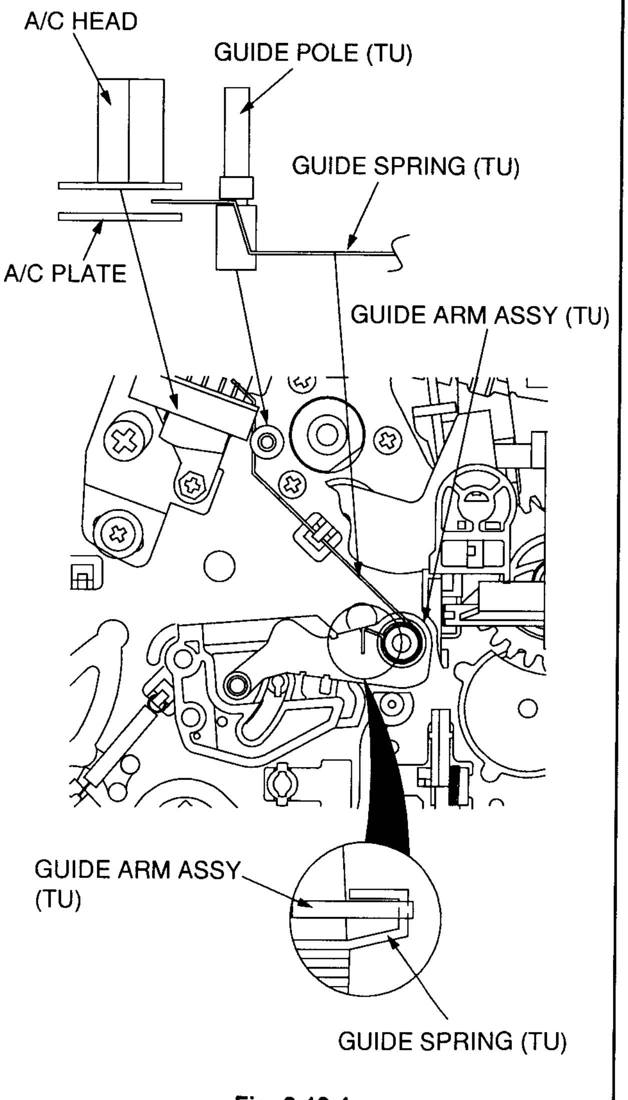

A/C HEAD
GUIDE POLE (TU)
GUIDE SPRING (TU)
A/C PLATE
GUIDE ARM ASSY (TU)
GUIDE ARM ASSY
(TU)
GUIDE SPRING (TU)

Fig. 2-13-4

7 Install the GUIDE ARM ASSY (TU) so that the first tooth of the gear of the GUIDE ARM ASSY (TU) shown in Fig. 2-13-5 matches with hole Ⓐ of the LOADING TG LEVER.

8 Install the SL WASHER and NYLON NUT shown in Fig. 2-13-1.

9 Perform "Adjustment of GUIDE ARM ASSY (TU) Height" in Para. 3-5 of "Interchangeability Adjustment of the Mechanism".

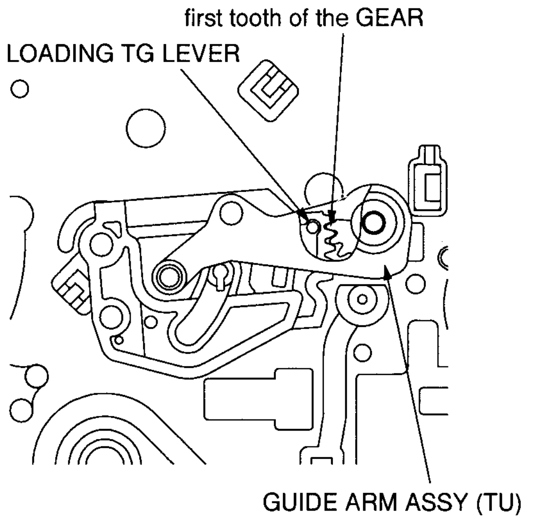

first tooth of the GEAR
LOADING TG LEVER
GUIDE ARM ASSY (TU)

Fig. 2-13-5

2-14 REC SPRING, REC LEVER

Place the set upside down.

(Removal)

1 Remove the REC SPRING shown in Fig. 2-14.

2 Move the REC LEVER in the direction shown by arrow Ⓐ until it strikes on the MAIN PLATE ASSY to remove it as shown in Fig. 2-14.

(Installation)

1 Insert the catch of the REC LEVER shown in Fig. 2-14 into the hole of the MAIN PLATE ASSY and install the REC LEVER.

2 Install the REC SPRING shown in Fig. 2-14.

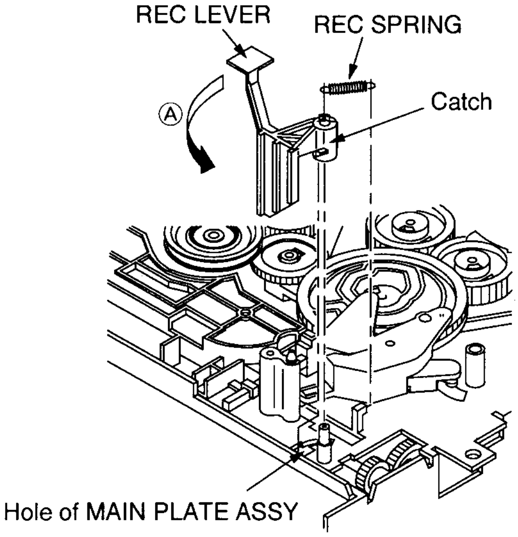

REC LEVER
REC SPRING
Ⓐ
Catch
Hole of MAIN PLATE ASSY

Fig. 2-14

2-15 REEL BELT, BELT PULLEY, SHIFT SPRING

Place the set upside down.

(Removal)

1 Remove the REEL BELT shown in Fig. 2-15.
2 Remove the CUT WASHER (ⓐ) fastening the BELT PULLEY shown in Fig. 2-15 to remove the BELT PULLEY.
3 Remove the SHIFT SPRING shown in Fig. 2-15.

(Installation)

1 Install the SHIFT SPRING shown in Fig. 2-15.
2 Fasten the BELT PULLEY shown in Fig. 2-15.
3 Install the CUT WASHER shown in Fig. 2-15 to fasten the BELT PULLEY.
4 Install the REEL BELT shown in Fig. 2-15.

Note : Take care never to make GREASE or OIL adhere to the REEL BELT during installation.

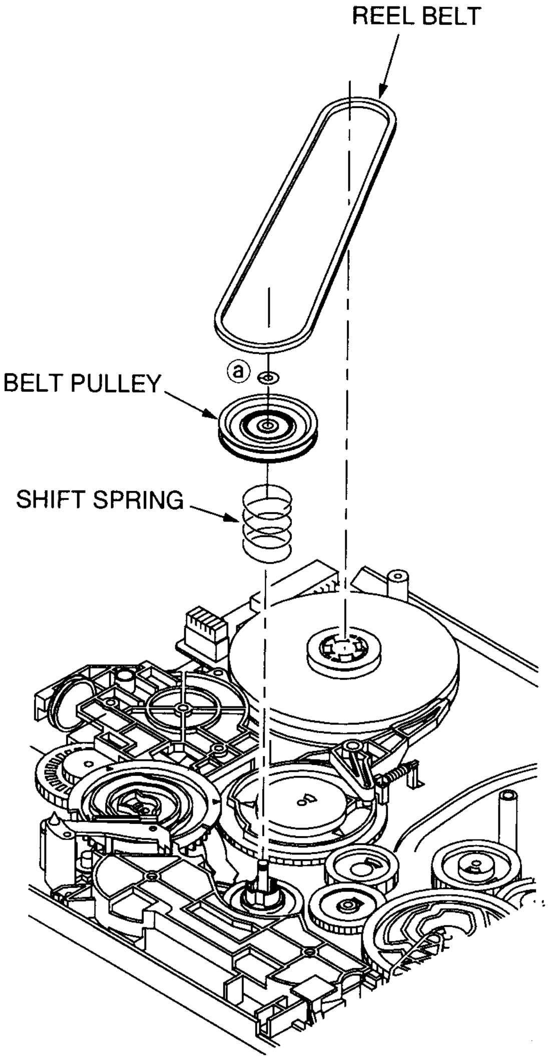


Fig. 2-15

2-16 CAPSTAN BRAKE SPRING, CAPSTAN BRAKE

Place the set upside down.
Before performing replacement in this paragraph, remove the following part. Refer to the applicable paragraph for installation of the part.

- REEL BELT (Para. 2-15)

(Removal)

1. Remove the CAPSTAN BRAKE SPRING shown in Fig. 2-16.
2. Remove the CUT WASHER (ⓐ) fastening the CAPSTAN BRAKE shown in Fig. 2-16.
3. Unfasten the catch (ⓑ) on the surface of the CAPSTAN BRAKE shown in Fig. 2-16 with tweezers, etc. to remove the CAPSTAN BRAKE.

(Installation)

1. Install the CAPSTAN BRAKE shown in Fig. 2-16.

Note : Take care never to make GREASE or OIL adhere to the area specified in Fig. 2-16 during installation of the CAPSTAN BRAKE.

2. Install the CUT WASHER (ⓐ) shown in Fig. 2-16 to fasten the CAPSTAN BRAKE.
3. Install the CAPSTAN BRAKE SPRING shown in Fig. 2-16.

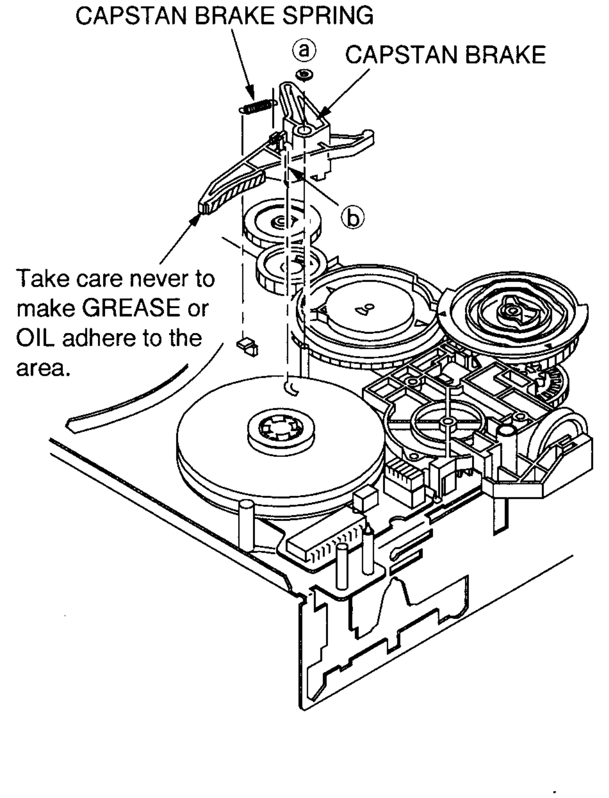

CAPSTAN BRAKE SPRING
ⓐ
CAPSTAN BRAKE
ⓑ
Take care never to make GREASE or OIL adhere to the area.

Fig. 2-16

2-17 MODE HOLDER, REEL LOCK LEVER, MODE GEAR, F/L DRIVE GEAR, F/L DRIVE LEVER, WORM PULLEY UNIT, LOADING WORM GEAR

Place the set upside down.

(Removal)

1. Unfasten the catch (ⓐ) on the surface of the REEL LOCK LEVER shown in Fig. 2-17-1 with tweezers, etc. to remove the REEL LOCK LEVER.
2. Unscrew the MODE HOLDER fastening screw (ⓑ) shown in Fig. 2-17-1 to remove the MODE HOLDER.
3. Unfasten the catch (ⓒ) of the SNAP PIN shown in Fig. 2-17-1 with the tweezers, etc. to remove the SNAP PIN.
4. Unfasten the catch (ⓓ) on the surface of the MODE GEAR shown in Fig. 2-17-1 with tweezers, etc. to remove the MODE GEAR.
5. Remove the F/L DRIVE GEAR shown in Fig. 2-17-1 from the shaft of the MAIN PLATE ASSY.
6. Remove the F/L DRIVE LEVER shown in Fig. 2-17-1.

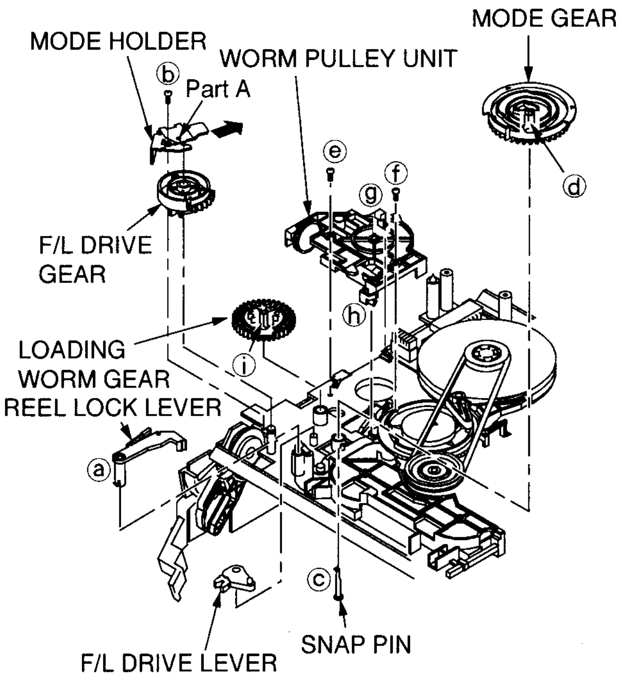

MODE GEAR
MODE HOLDER
WORM PULLEY UNIT
ⓑ
Part A
ⓓ
ⓔ
ⓕ
ⓖ
F/L DRIVE GEAR
ⓗ
LOADING WORM GEAR
ⓘ
REEL LOCK LEVER
ⓐ
ⓒ
F/L DRIVE LEVER
SNAP PIN

Fig. 2-17-1

7 Unscrew the two WORM PULLEY UNIT fastening screws (ⓔ and ⓕ) shown in Fig. 2-17-1.

8 Remove the LOADING BELT. (Refer to Para. 2-11 for the removal method.)

9 Unfasten the two catches (ⓖ and ⓗ) of the WORM PULLEY UNIT shown in Fig. 2-17-1 to remove the WORM PULLEY UNIT.

10 Unfasten the catch (ⓘ) on the surface of the LOADING WORM GEAR shown in Fig. 2-17-1 to remove the LOADING WORM GEAR.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-17-2 on the new LOADING WORM GEAR.

2 Install the LOADING WORM GEAR shown in Fig. 2-17-1.

3 Turn the WORM PULLEY shown in Fig. 2-17-3 so that the round hole of the PINCH WORM GEAR matches with that of the WORM HOLDER.

4 Install the WORM PULLEY UNIT so that the Δ mark on the LOADING WORM GEAR shown in Fig. 2-17-4 matches with the part A of it.

5 Fasten the LOADING BELT. (Refer to Para. 2-11.)

6 Install the F/L DRIVE LEVER shown in Fig. 2-17-1.

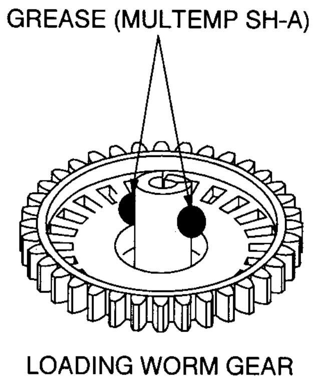

GREASE (MULTEMP SH-A)
LOADING WORM GEAR

Fig. 2-17-2

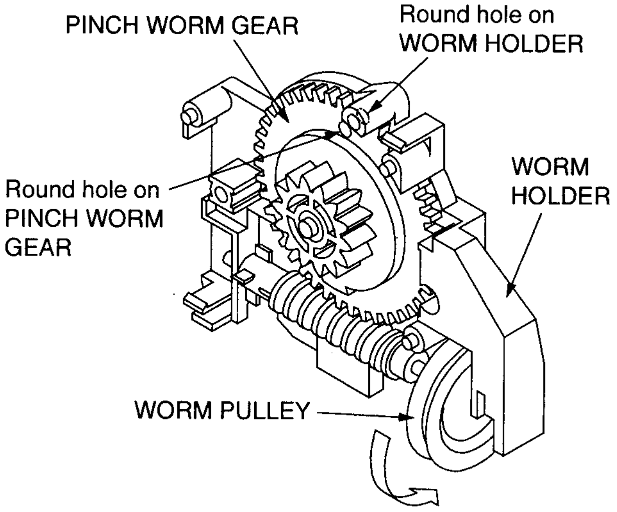

PINCH WORM GEAR
Round hole on WORM HOLDER
WORM HOLDER
Round hole on PINCH WORM GEAR
WORM PULLEY

Fig. 2-17-3

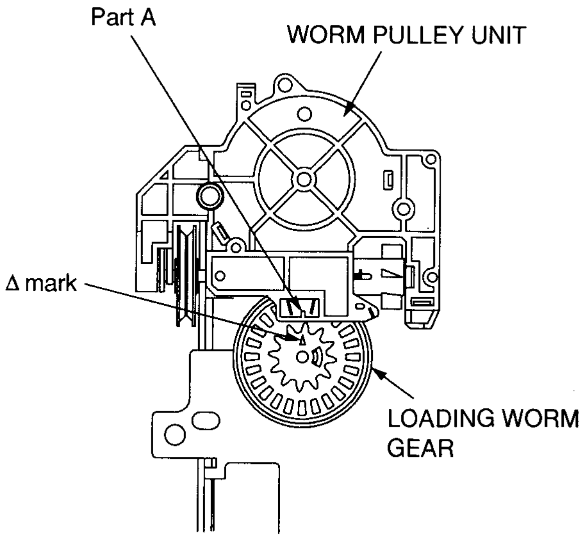

Part A
WORM PULLEY UNIT
Δ mark
LOADING WORM GEAR

Fig. 2-17-4

7 Fully move the F/L DRIVE LEVER shown in Fig. 2-17-5 in the direction shown by arrow Ⓐ.

8 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-17-6 on the new F/L DRIVE GEAR.

9 Move the F/L ARM UNIT (TU) shown in Fig. 2-17-7 in the direction shown by arrow Ⓐ.

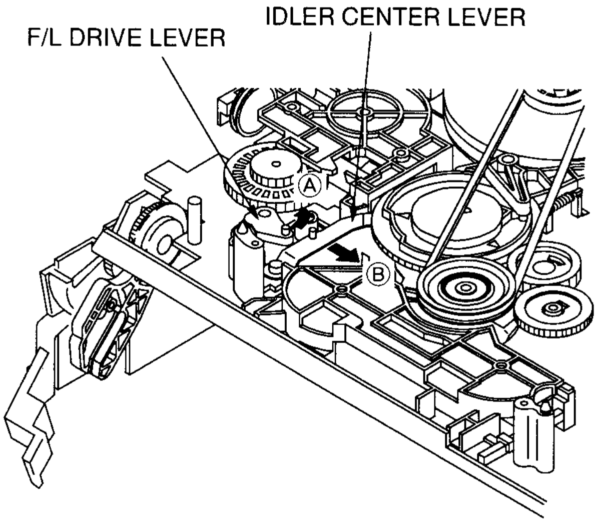
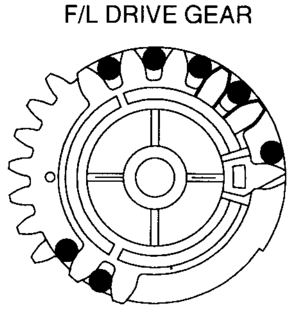

IDLER CENTER LEVER
F/L DRIVE LEVER
Ⓐ
Ⓑ

Fig. 2-17-5


F/L DRIVE GEAR

Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-17-6

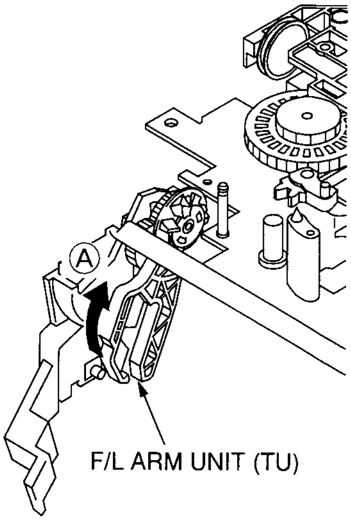

Ⓐ
F/L ARM UNIT (TU)

Fig. 2-17-7

10 Install the F/L DRIVE GEAR so that the first tooth of the gear of the F/L ARM UNIT (TU) matches with the II mark on the F/L DRIVE GEAR as shown in Fig. 2-17-8.

11 Fully move the IDLER CENTRE LEVER shown in Fig. 2-17-5 in the direction shown by arrow Ⓑ.

12 Apply GREASE (MULTEMP SH-A) [859D055080] to the area shown in Fig. 2-17-9 on the new MODE GEAR.

13 Install the MODE GEAR shown in Fig. 2-17-10 so that ;

- Δ mark on the part A of the MODE GEAR matches with Δ mark on the part B of the CAM GEAR (TU),
- Δ mark on the part C of the MODE GEAR points to the centre of the LOADING WORM GEAR, and
- Δ mark on the part D of the MODE GEAR matches with the ○ mark on the part E of the F/L DRIVE GEAR.

14 Make sure that the Δ mark on the PINCH WORM GEAR shown in Fig. 2-12-3 matches with the Δ mark on the PINCH CAM GEAR .

15 Push the SNAP PIN shown in Fig. 2-17-1 into the centre hole of the MODE GEAR from the surface to install it.

16 Move the MODE HOLDER shown in Fig. 2-17-1 in the direction shown by the arrow so that the part A of it is fixed to the shaft of the MAIN PLATE ASSY and install it.

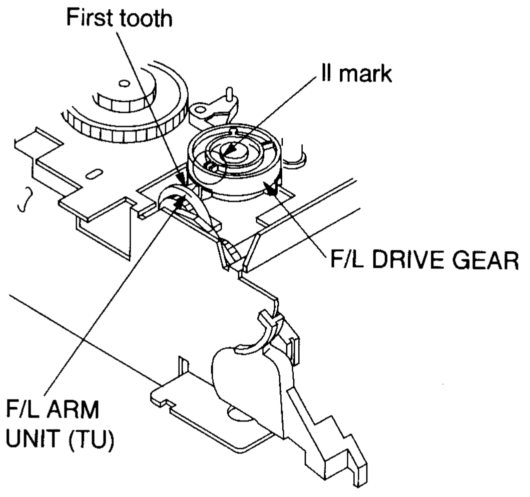
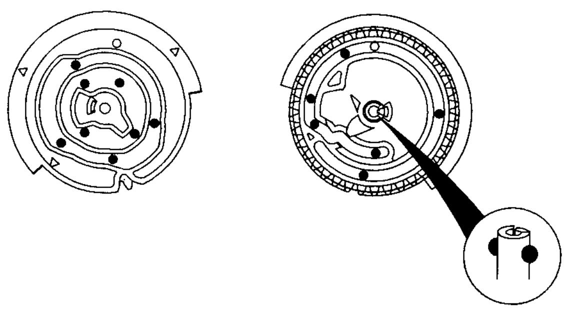

First tooth
II mark
F/L DRIVE GEAR
F/L ARM UNIT (TU)

Fig. 2-17-8



Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-17-9

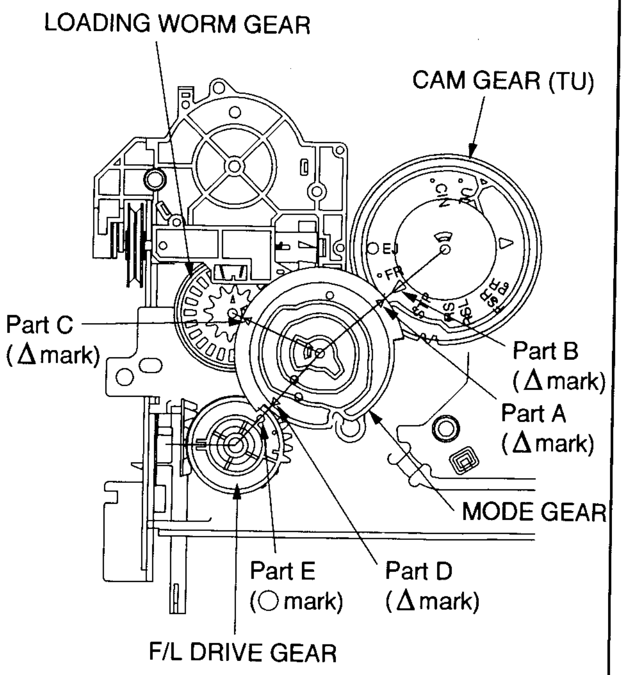

LOADING WORM GEAR
CAM GEAR (TU)
Part C (Δ mark)
Part B (Δ mark)
Part A (Δ mark)
MODE GEAR
Part E (○ mark)
Part D (Δ mark)
F/L DRIVE GEAR

Fig. 2-17-10

17 Install the REEL LOCK LEVER so that the pins on the parts F and G of the REEL LOCK LEVER shown in Fig. 2-17-11 enter the cam groove of the MODE GEAR.

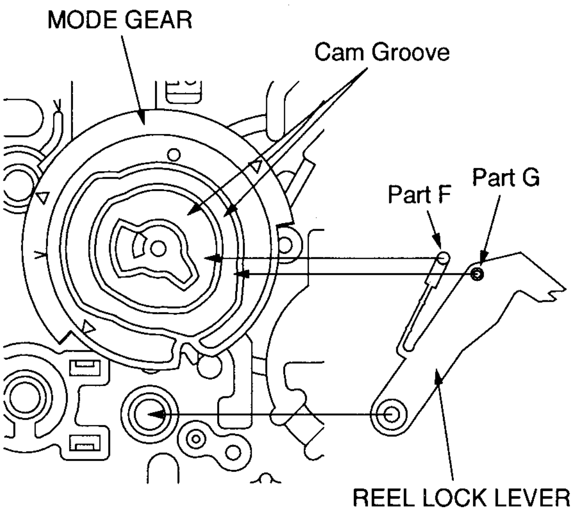

MODE GEAR
Cam Groove
Part F
Part G
REEL LOCK LEVER

Fig. 2-17-11

2-18 CONTROL WIND LEVER, TENSION LEVER UNIT

Place the set upside down.

(Removal)

1 Unfasten the catch (ⓐ) on the surface of the CONTROL WIND LEVER shown in Fig. 2-18-1 with tweezers, etc. to remove the CONTROL WIND LEVER.

2 Remove the TENSION LEVER UNIT shown in Fig. 2-18-1.

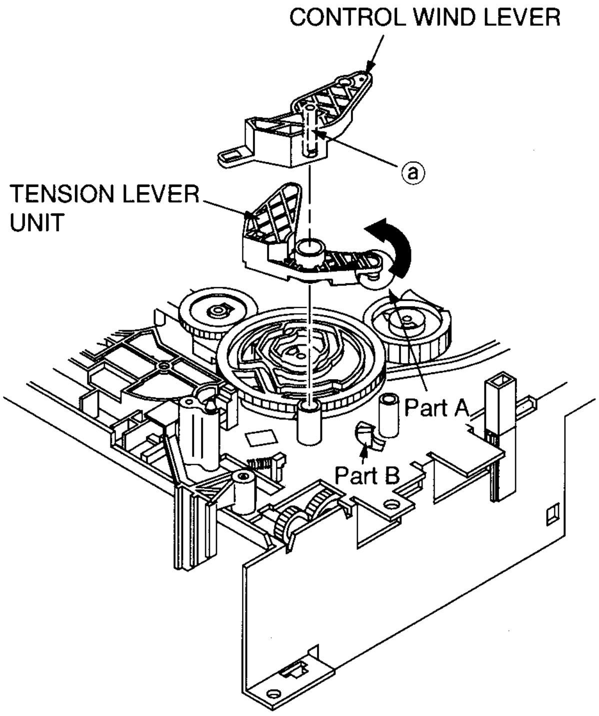
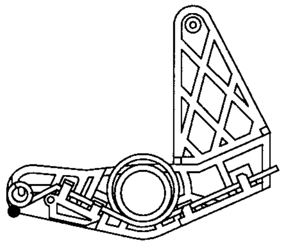

CONTROL WIND LEVER
ⓐ
TENSION LEVER UNIT
Part A
Part B

Fig. 2-18-1

(Installation)

1. Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-18-2 on the new TENSION LEVER UNIT.
2. Install the TENSION LEVER UNIT shown in Fig. 2-18-1 with taking care of the following.
   - Make the pin on the part A of the TENSION LEVER UNIT shown in Fig. 2-18-3 enter the cam groove on the CAM GEAR (SP).
   - Move the part A of the spring of the TENSION LEVER UNIT shown in Fig. 2-18-1 in the direction shown by the arrow. Install the TENSION LEVER UNIT so that the part A of the spring is hooked to the part B of the TENSION ARM.
3. Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-18-4 on the new CONTROL WIND LEVER.
4. Install the CONTROL WIND LEVER so that the pin on the part B on the CONTROL WIND LEVER shown in Fig. 2-18-3 enters the cam groove of the CAM GEAR (SP) and that the pin of the part D of the WIND LEVER UNIT enters the hole of the part C on the CONTROL WIND LEVER.



Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-18-2

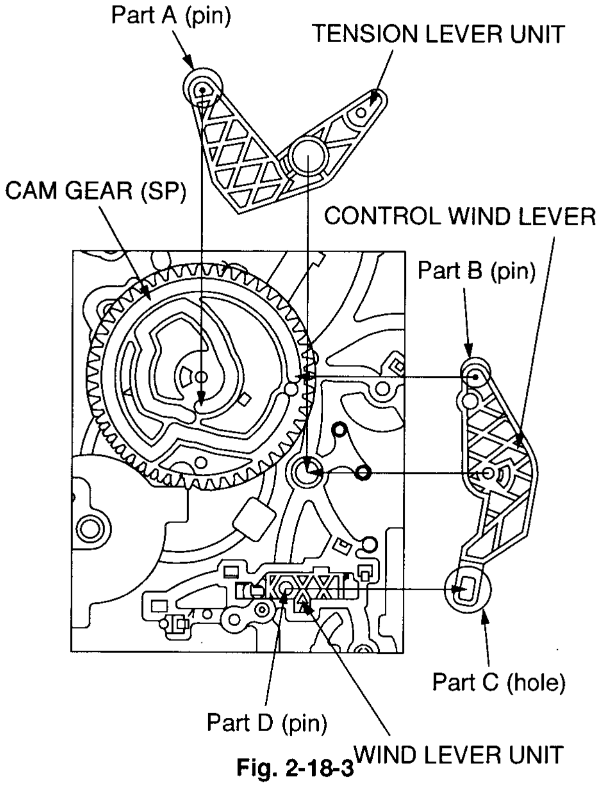
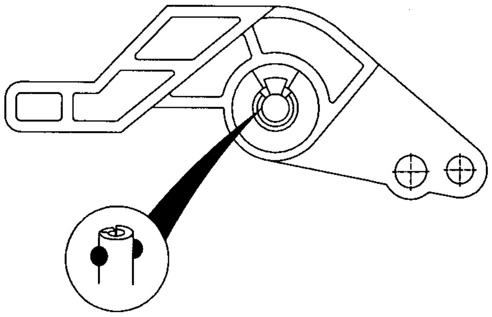


Fig. 2-18-3



Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-18-4

2-19 PHOTO GUIDE UNIT (SP), PHOTO GUIDE UNIT (TU)

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LOADING BELT (Para. 2-11)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- WORM PULLEY UNIT (Para. 2-17)

(Removal)

1 Unfasten the catch (ⓐ) of the PHOTO GUIDE UNIT (SP) shown in Fig. 2-19-1 with tweezers, etc. and remove the PHOTO GUIDE UNIT (SP) in the direction shown by the arrow.

2 Remove the PHOTO GUIDE UNIT (TU) shown in Fig. 2-19-2 in the direction shown by the arrow.

(Installation)

1 Push the PHOTO GUIDE UNIT (TU) into the DECK to the bottom, with the part A shown in Fig. 2-19-2 toward the inside of DECK.

Note : Never touch the transparent part of the PHOTO GUIDE UNIT (TU).

2 Push the PHOTO GUIDE UNIT (SP) into the DECK so that the catch (ⓐ) is hooked, with the part A shown in Fig. 2-19-1 toward the inside of DECK.

Note : Never touch the transparent part of the PHOTO GUIDE UNIT (SP).

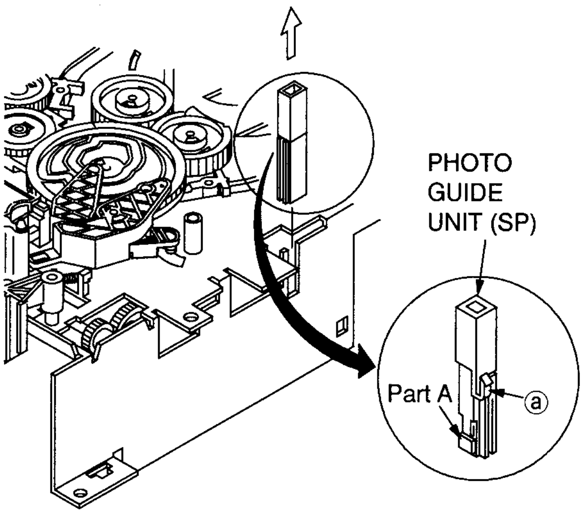


Fig. 2-19-1

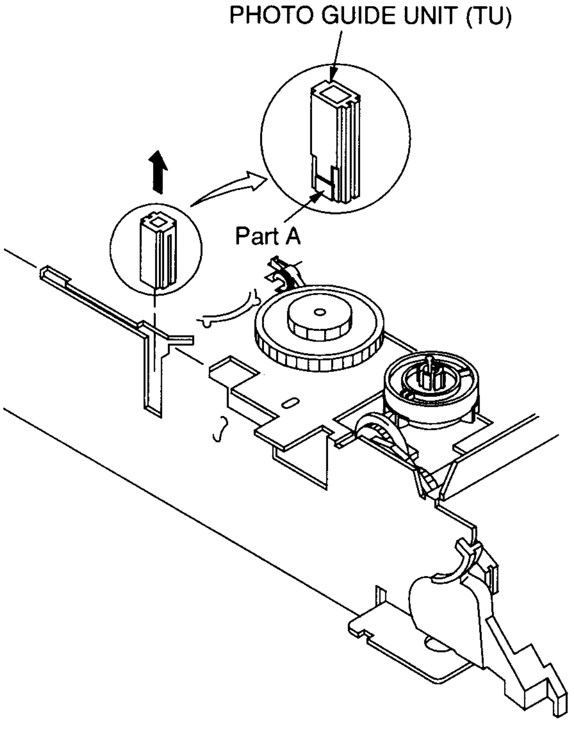


Fig. 2-19-2

2-20 LOADING GEAR, LAMP LOADING GEAR

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LAMP GUIDE (Para. 2-7)
- REEL BELT (Para. 2-15)

(Removal)

1 Unfasten the catch (ⓐ) on the surface of the LOADING GEAR shown in Fig. 2-20-1 with tweezers, etc. to remove the LOADING GEAR.
2 Unfasten the catch (ⓑ) on the surface of the LAMP LOADING GEAR shown in Fig. 2-20-1 with tweezers, etc. to remove the LAMP LOADING GEAR .

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-20-2 on the new LAMP LOADING GEAR .
2 Install the LAMP LOADING GEAR shown in Fig. 2-20-1.
3 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-20-2 on the new LOADING GEAR .
4 Install the LOADING GEAR shown in Fig. 2-20-1.

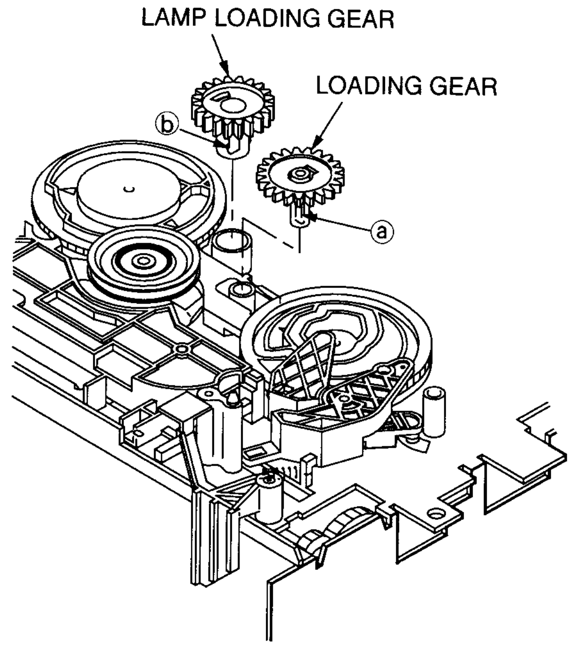


Fig. 2-20-1

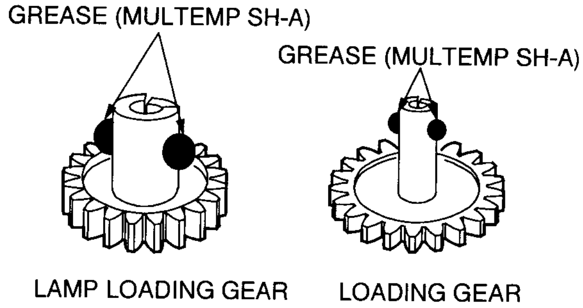


Fig. 2-20-2

2-21 CAM GEAR (TU)

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LOADING BELT (Para. 2-11)
- REEL BELT (Para. 2-15)
- CAPSTAN BRAKE SPRING (Para. 2-16)
- CAPSTAN BRAKE (Para. 2-16)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)

(Removal)

1 Unfasten the catch (ⓐ) on the surface of the CAM GEAR (TU) shown in Fig. 2-21-1 with tweezers, etc. to remove the CAM GEAR (TU).

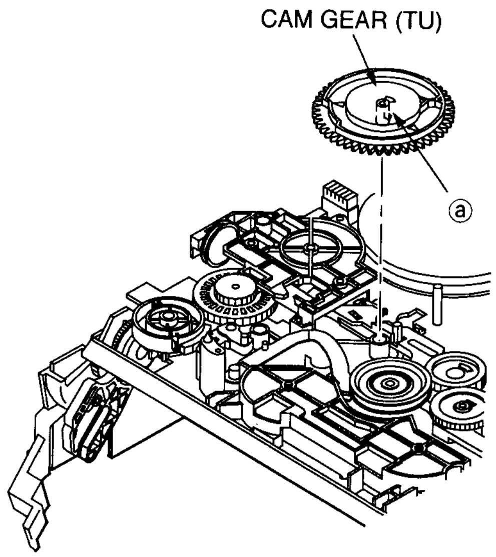


Fig. 2-21-1

(Installation)

1. Apply GREASE (MULTEMP SH-A) [859D055O80] to the area specified in Fig. 2-21-2 on the new CAM GEAR (TU).
2. Set the CAM GEAR (SP) shown in Fig. 2-21-3 so that the Δ mark on the part A of it points to the centre of the LOADING GEAR.
3. Install the CAM GEAR (TU) shown in Fig. 2-21-3 so that the Δ mark on the part B of it points to the centre of the LAMP LOADING GEAR.

Apply GREASE (MULTEMP SH-A) to the area ● .

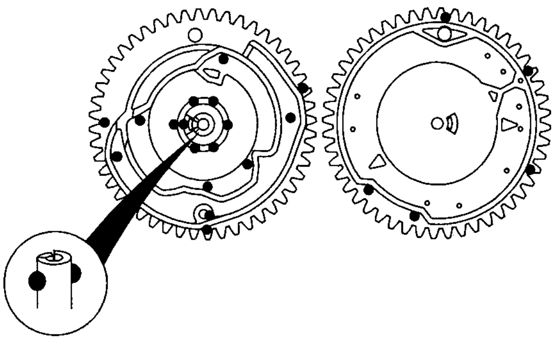


Fig. 2-21-2

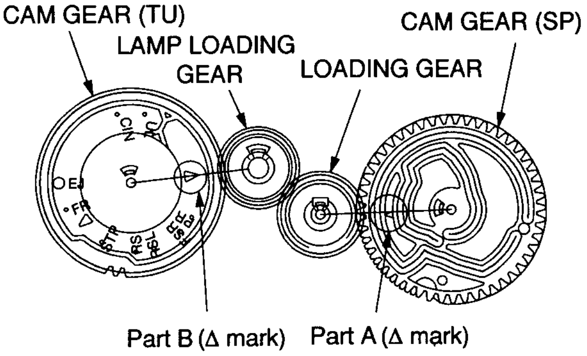

CAM GEAR (TU)
LAMP LOADING GEAR
LOADING GEAR
CAM GEAR (SP)
Part B (Δ mark)
Part A (Δ mark)

Fig. 2-21-3

2-22 PHOTO UNIT, REEL GEAR UNIT (TU), REEL GEAR UNIT (SP)

Place the set upside down.

(Removal)

1. Move the REC LEVER shown in Fig. 2-14 in the direction shown by arrow Ⓐ. Unfasten the two catches (ⓐ and ⓑ) of the PHOTO UNIT and the two catches (ⓒ and ⓓ) of the MAIN PLATE ASSY shown in Fig. 2-22-1 to remove the PHOTO UNIT.
2. Remove the REEL GEAR UNIT (TU) shown in Fig. 2-22-1.
3. Remove the REEL GEAR UNIT (SP) shown in Fig. 2-22-1.

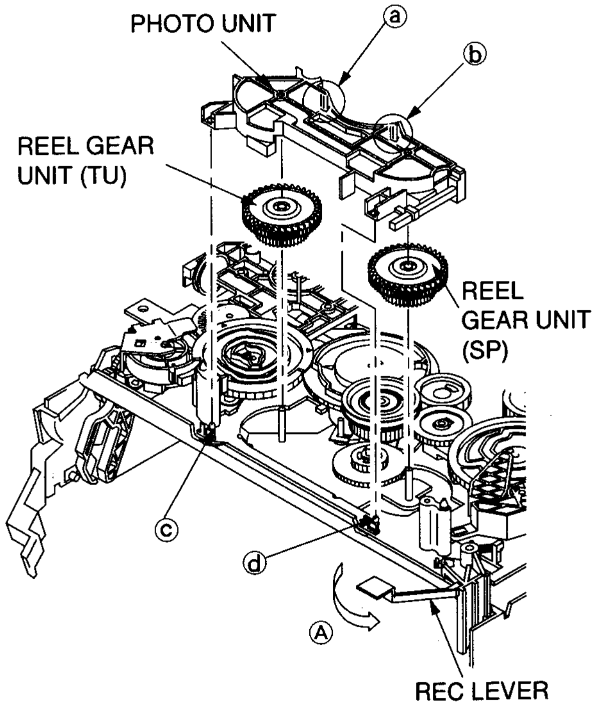


PHOTO UNIT
ⓐ
ⓑ
REEL GEAR UNIT (TU)
REEL GEAR UNIT (SP)
ⓒ
ⓓ
Ⓐ
REC LEVER

Fig. 2-22-1

(Installation)

1. Apply OIL (FLOIL 948P) [859D154020] to the shaft shown in Fig. 2-22-2 in which the REEL GEAR UNIT (SP) of the MAIN PLATE ASSY is to enter.
2. Install the REEL GEAR UNIT (SP) shown in Fig. 2-22-2.

Note: Make sure the colour of the spring according to the table in Fig. 2-22-2 in installing the REEL GEAR UNIT (SP).

3. Apply OIL (FLOIL 948P) [859D154020] to the shaft shown in Fig. 2-22-2 in which the REEL GEAR UNIT (TU) of the MAIN PLATE ASSY is to enter.
4. Install the REEL GEAR UNIT (TU) shown in Fig. 2-22-1.

Note: Make sure the colour of the spring according to the table in Fig. 2-22-2 in installing the REEL GEAR UNIT (TU).

5. Apply a small quantity of OIL (FLOIL 948P) [859D154020] to the area specified in Fig. 2-22-3 on the new PHOTO UNIT.
6. Install the PHOTO UNIT shown in Fig. 2-22-1.

Part Name	Colour of Spring
REEL GEAR UNIT (SP)	Gold
REEL GEAR UNIT (TU)	Silver

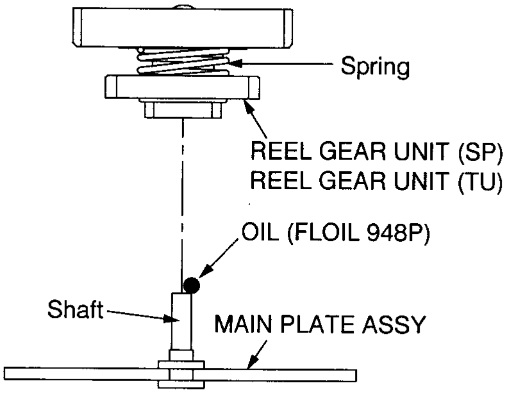

Spring
REEL GEAR UNIT (SP)
REEL GEAR UNIT (TU)
OIL (FLOIL 948P)
Shaft
MAIN PLATE ASSY

Fig. 2-22-2

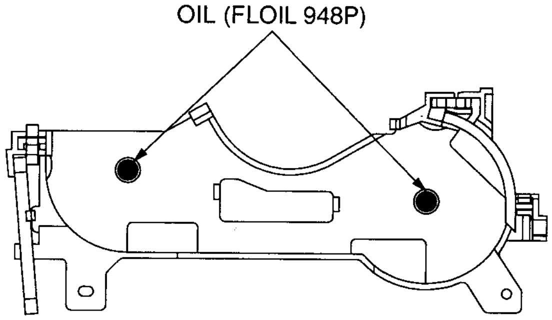

OIL (FLOIL 948P)

Fig. 2-22-3

2-23 IDLER CENTRE LEVER

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LOADING BELT (Para. 2-11)
- REEL BELT (Para. 2-15)
- CAPSTAN BRAKE SPRING (Para. 2-16)
- CAPSTAN BRAKE (Para. 2-16)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- CAM GEAR (TU) (Para. 2-21)
- PHOTO UNIT (Para. 2-22)

(Removal)

1 Remove the IDLER CENTRE LEVER shown in Fig. 2-23-1.

(Installation)

1 Insert the part A of the IDLER CENTRE LEVER shown in Fig. 2-23-2 into the part B of the IDLER UNIT to install the IDLER CENTRE LEVER.

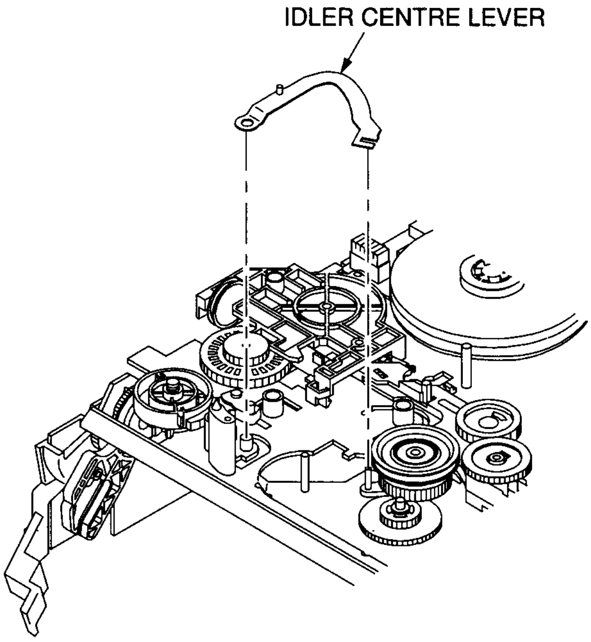


Fig. 2-23-1

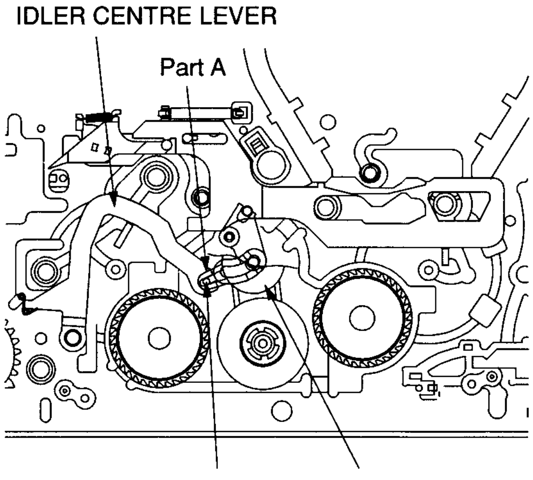


Fig. 2-23-2

2-24 PULLEY GEAR, IDLER UNIT

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LOADING BELT (Para. 2-11)
- REEL BELT (Para. 2-15)
- CAPSTAN BRAKE SPRING (Para. 2-16)
- CAPSTAN BRAKE (Para. 2-16)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- CAM GEAR (TU) (Para. 2-21)
- PHOTO UNIT (Para. 2-22)
- IDLER CENTRE LEVER (Para. 2-23)

(Removal)

1 Remove the PULLEY GEAR shown in Fig. 2-24-1.
2 Remove the IDLER UNIT shown in Fig. 2-24-1.

(Installation)

1 Apply OIL (FLOIL 948P) [859D154020] to the shaft shown in Fig. 2-24-1 in which the IDLER UNIT is to enter.
2 Apply OIL (FLOIL 948P) [859D154020] to the area specified in Fig. 2-24-1 on the new IDLER UNIT .
3 Install the IDLER UNIT shown in Fig. 2-24-1.
4 Install the PULLEY GEAR shown in Fig. 2-24-1.

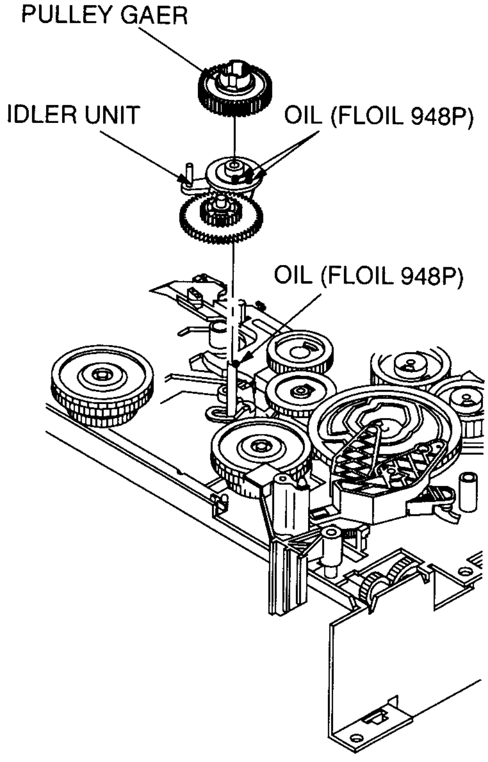


Fig. 2-24-1

2-25 F/L ARM UNIT (SP)

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- STAY PLATE (Para. 2-2)
- BOTTOM UNIT (Para. 2-3)

(Removal)

1 Fully move the F/L ARM UNIT (SP) in the direction shown by arrow Ⓐ as shown in Fig. 2-25-1.
2 Unfasten the catch (ⓐ) of the F/L ARM UNIT (SP) shown in Fig. 2-25-1 to remove the F/L ARM UNIT (SP).

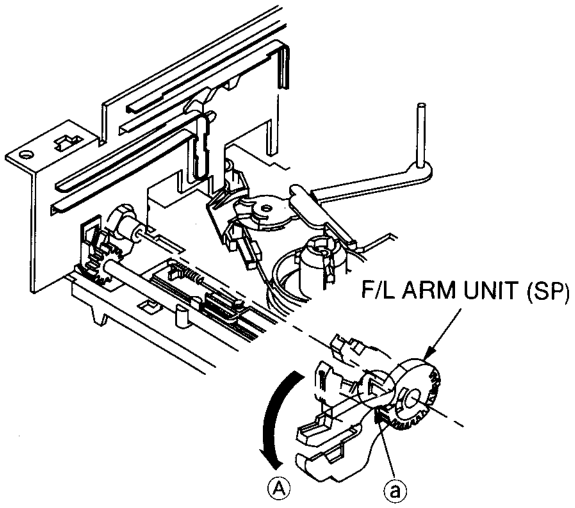


Fig. 2-25-1

(Installation)

1. Fully move the F/L ARM UNIT (TU) in the direction shown by arrow Ⓐ as shown in Fig. 2-26-1.
2. Install the F/L ARM UNIT (SP) so that the gear of the F/L ARM UNIT (SP) and that of the SYNC GEAR ASSY are engaged as shown in Fig. 2-25-2.

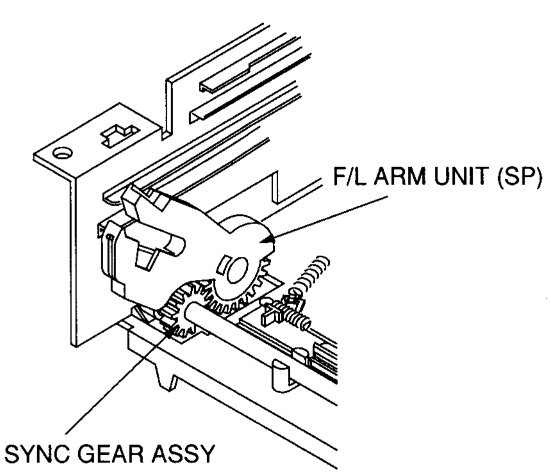


Fig. 2-25-2

2-26 F/L ARM UNIT (TU)

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- STAY PLATE (Para. 2-2)
- BOTTOM UNIT (Para. 2-3)
- LOADING BELT (Para. 2-11)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- F/L DRIVE GEAR (Para. 2-17)
- F/L DRIVE LEVER (Para. 2-17)

(Removal)

1. Fully move the F/L ARM UNIT (TU) in the direction shown by arrow Ⓐ as shown in Fig. 2-26-1.
2. Unfasten the catch (ⓐ) of the F/L ARM UNIT (TU) shown in Fig. 2-26-1 to remove the F/L ARM UNIT (TU).

(Installation)

1. Fully move the F/L ARM UNIT (SP) shown in Fig. 2-25-1 in the direction shown by arrow Ⓐ.
2. Install the F/L ARM UNIT (TU) in the position shown in Fig. 2-26-2.

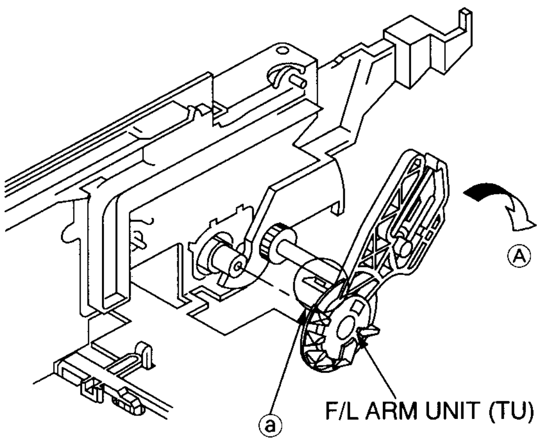
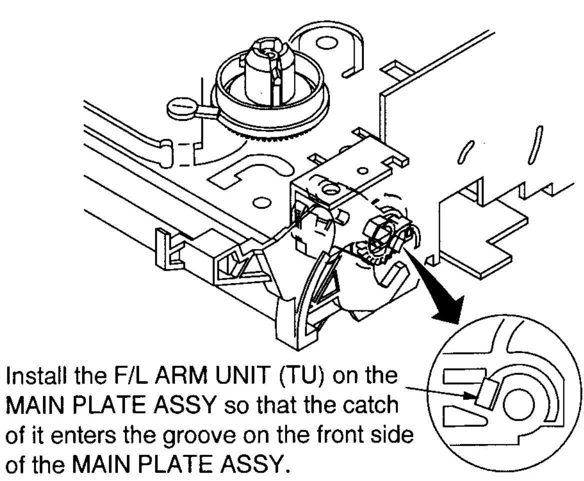


Fig. 2-26-1



Install the F/L ARM UNIT (TU) on the MAIN PLATE ASSY so that the catch of it enters the groove on the front side of the MAIN PLATE ASSY.

Fig. 2-26-2

2-27 SYNC GEAR ASSY

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- STAY PLATE (Para. 2-2)
- BOTTOM UNIT (Para. 2-3)
- LOADING BELT (Para. 2-11)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- F/L DRIVE GEAR (Para. 2-17)
- F/L ARM UNIT (SP) (Para. 2-25)
- F/L ARM UNIT (TU) (Para. 2-26)

(Removal)

1 Unfasten the catch (ⓐ) of the MAIN PLATE ASSY as shown in Fig. 2-27-1. Move the SYNC GEAR ASSY in the direction shown by the arrow Ⓐ to remove it.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-27-2 on the MAIN PLATE ASSY.

2 Move the SYNC GEAR ASSY shown in Fig. 2-27-1 in the opposite direction against the arrow Ⓐ to install it.

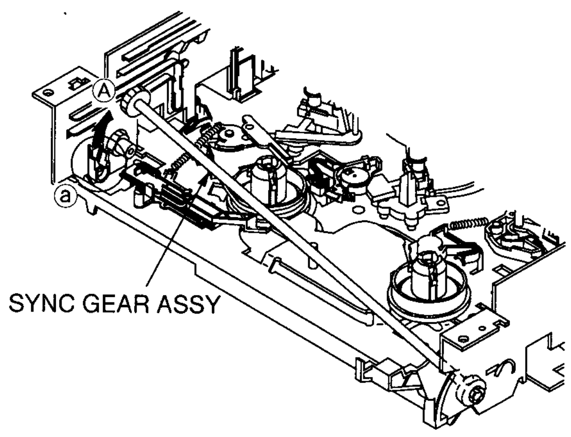


Fig. 2-27-1

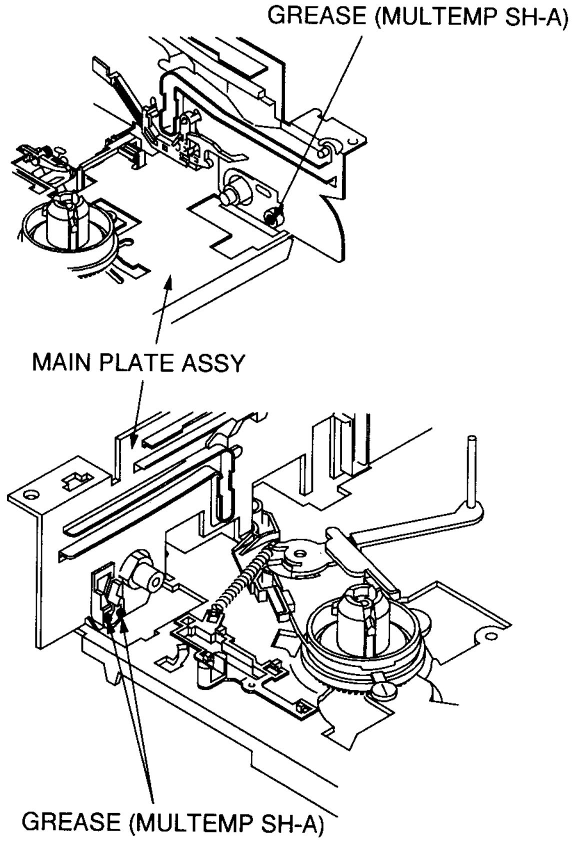


Fig. 2-27-2

2-28 F/L DOOR ARM

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- STAY PLATE (Para. 2-2)
- BOTTOM UNIT (Para. 2-3)
- LOADING BELT (Para. 2-11)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- F/L DRIVE GEAR (Para. 2-17)
- F/L ARM UNIT (SP) (Para. 2-25)
- F/L ARM UNIT (TU) (Para. 2-26)
- SYNC GEAR ASSY (Para. 2-27)

(Removal)

1 Remove the F/L DOOR ARM shown in Fig. 2-28.

(Installation)

1 Install the F/L DOOR ARM shown in Fig. 2-28.

2-29 WIND LEVER UNIT

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- STAY PLATE (Para. 2-2)
- BOTTOM UNIT (Para. 2-3)
- CONTROL WIND LEVER (Para. 2-18)

(Removal)

1 Move the WIND LEVER UNIT in the direction shown by the arrow to remove it as shown in Fig. 2-29-1.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055O80] to the area specified in Fig. 2-29-2 on the MAIN PLATE ASSY.
2 Set the WIND LEVER UNIT so that each of three notches (Ⓐ, Ⓑ and Ⓒ) on it respectively matches with the corresponding catch (ⓐ, ⓑ and ⓒ) of the MAIN PLATE ASSY as shown in Fig. 2-29-1. Move the WIND LEVER UNIT in the opposite direction to the arrow to install it.

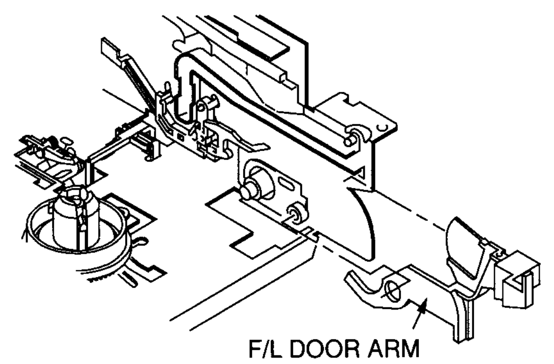


Fig. 2-28

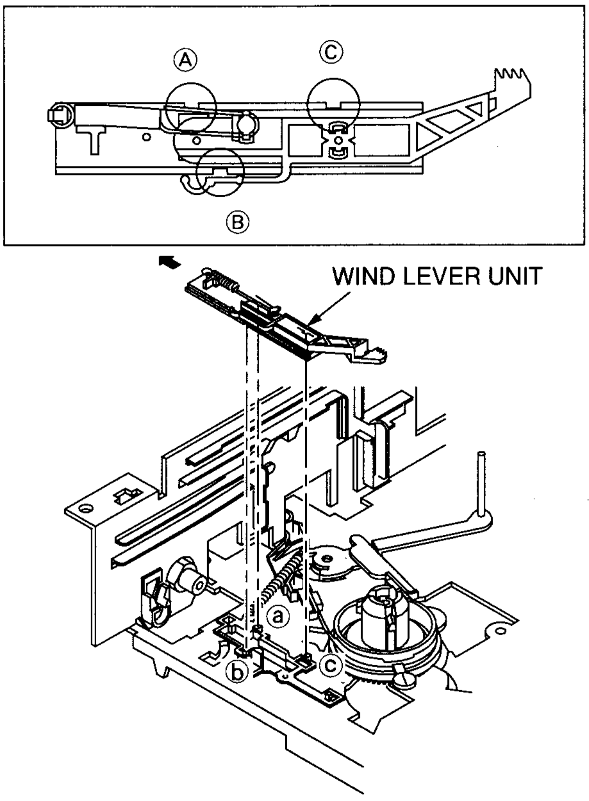
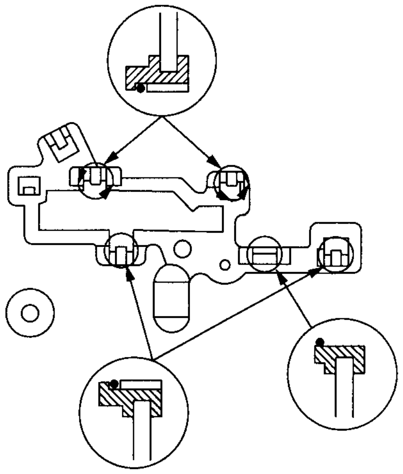


Fig. 2-29-1



Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-29-2

2-30 LOADING LOCK SPRING, LOADING LOCK LEVER

Position the set normally.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- MODE POSITION GUIDE (Para. 2-7)
- LOADING BELT (Para. 2-11)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- WORM PULLEY UNIT (Para. 2-17)

(Removal)

1. Remove the part A of the LOADING LOCK SPRING shown in Fig. 2-30-1 through the hole of the MAIN PLATE ASSY.
2. Move the LOADING LOCK LEVER in the direction shown by arrow Ⓐ with pushing the part B of it to remove the LOADING LOCK LEVER and LOADING LOCK SPRING as shown in Fig. 2-30-1.

(Installation)

1. Attach the LOADING LOCK SPRING shown in Fig. 2-30-2 to the LOADING LOCK LEVER.
2. Move the part A of the LOADING LOCK SPRING shown in Fig. 2-30-2 in the direction shown by arrow Ⓑ. Hook the part A of the LOADING LOCK SPRING on the catch of the part B of the LOADING LOCK LEVER.
3. Install the LOADING LOCK LEVER with the LOADING LOCK SPRING attached shown in Fig. 2-30-1 on the MAIN PLATE ASSY.
4. Insert the part A of the LOADING LOCK SPRING shown in Fig. 2-30-1 into the hole of the LOADING LOCK SPRING.

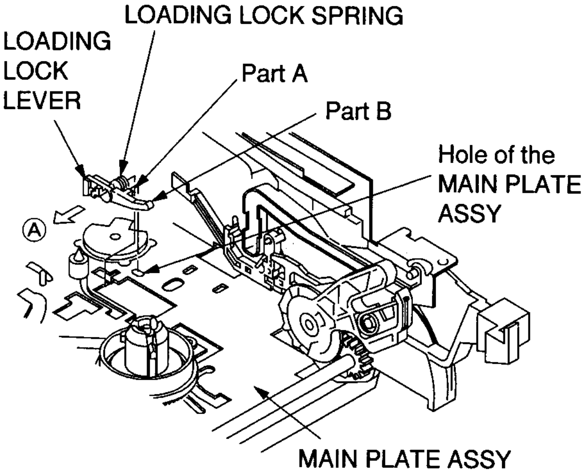

LOADING LOCK SPRING
LOADING LOCK LEVER
Part A
Part B
Hole of the MAIN PLATE ASSY
Ⓐ
MAIN PLATE ASSY

Fig. 2-30-1

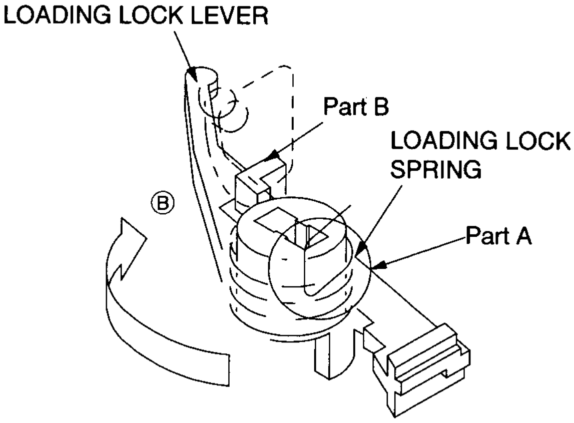

LOADING LOCK LEVER
Part B
LOADING LOCK SPRING
Part A
Ⓑ

Fig. 2-30-2

2-31 CAPSTAN MOTOR

Place the set upside down.
Before performing replacement in this paragraph, remove the following part. Refer to the applicable paragraph for installation the part.

- REEL BELT (Para. 2-15)

(Removal)

1 Unscrew the CAPSTAN MOTOR fastening the three screws (ⓐ) shown in Fig. 2-31-1 to remove the CAPSTAN MOTOR.

(Installation)

1 Set the CAPSTAN MOTOR in the position shown in Fig. 2-31-2 to install it.

Note : Take care not to damage the shaft of the CAPSTAN MOTOR during installation.

2 Install the three screws (ⓐ) shown in Fig. 2-31-1.

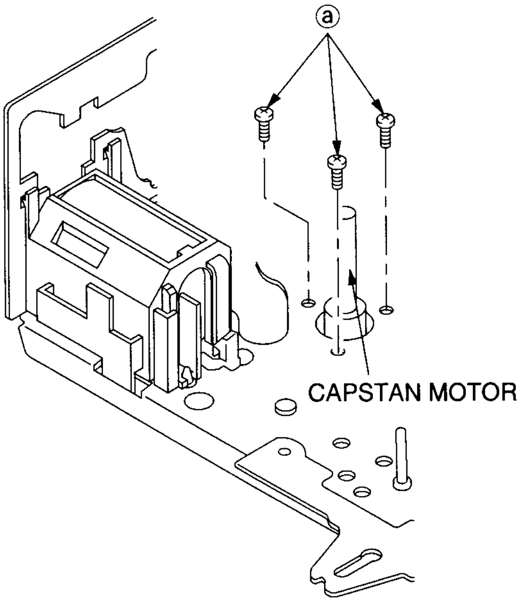


Fig. 2-31-1

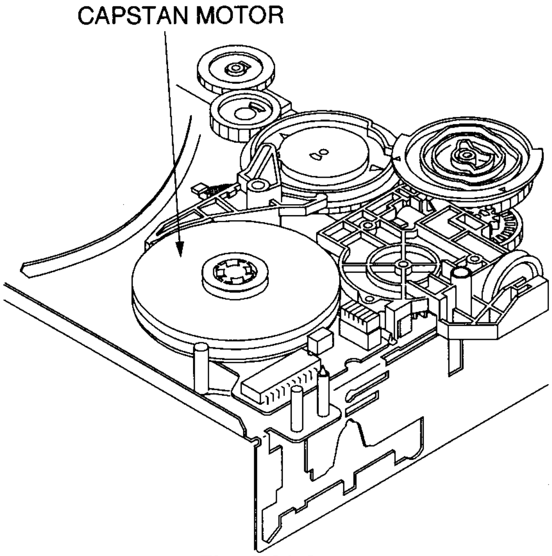


Fig. 2-31-2

2-32 CAM GEAR (SP)

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- CONTROL WIND LEVER (Para. 2-18)
- TENSION LEVER UNIT (Para. 2-18)
- LOADING GEAR (Para. 2-20)

(Removal)

1 Unfasten the catch (ⓐ) on the surface of the CAM GEAR (SP) shown in Fig. 2-32-1 with tweezers, etc. to remove the CAM GEAR (SP).

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-32-2 on the new CAM GEAR (SP).

2 Set the CAM GEAR (TU) shown in Fig. 2-32-3 so that the Δ mark on the part B points to the centre of the LAMP LOADING GEAR.

3 Set the CAM GEAR (SP) shown in Fig. 2-32-3 so that the Δ mark on the part A points to the centre of the boss into which the LOADING GEAR is to enter and install it.

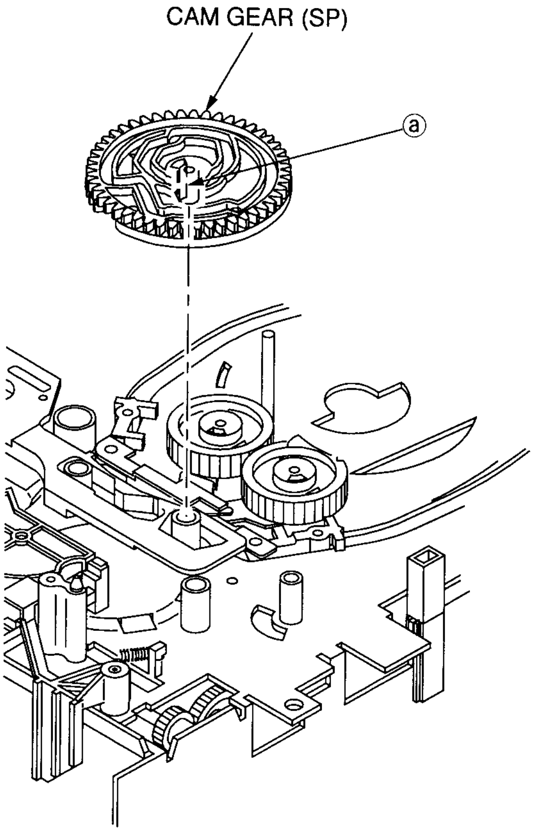
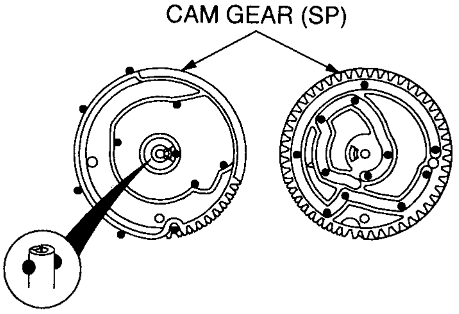


Fig. 2-32-1



Apply GREASE (MULTEMP SH-A) to the area ● .

Fig. 2-32-2

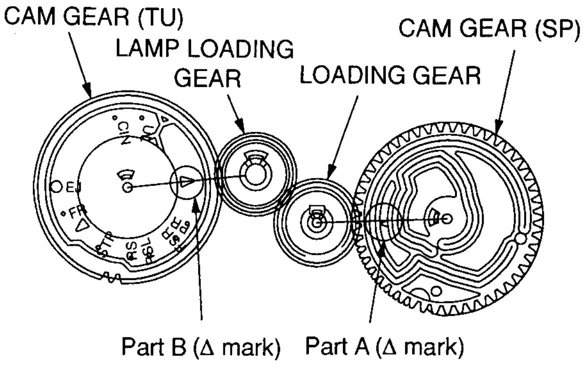

CAM GEAR (TU)
LAMP LOADING GEAR
LOADING GEAR
CAM GEAR (SP)
Part B (Δ mark)
Part A (Δ mark)

Fig. 2-32-3

2-33 LOADING ARM UNIT (TU), LOADING ARM UNIT (SP)

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- CONTROL WIND LEVER (Para. 2-18)
- TENSION LEVER UNIT (Para. 2-18)
- LOADING GEAR (Para. 2-20)
- CAM GEAR (SP) (Para. 2-32)

(Removal)

1 Unscrew the MAIN PLATE SUPPORT fastening the two screws (ⓐ) shown in Fig. 2-33-1 to remove the MAIN PLATE SUPPORT.

2 Move the TAPE GUIDE ASSY (SP) and TAPE GUIDE ASSY (TU) shown in Fig. 2-33-1 fully to the loading position.

3 Unfasten the catch (ⓑ) on the surface of the LOADING ARM UNIT (TU) shown in Fig. 2-33-1 with tweezers, etc. to remove the LOADING ARM UNIT (TU).

4 Unfasten the catch (ⓒ) on the surface of the LOADING ARM UNIT (SP) shown in Fig. 2-33-1 with tweezers, etc. to remove the LOADING ARM UNIT (SP).

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-33-2 on the new LOADING ARM UNIT (SP).

2 Install the LOADING ARM UNIT (SP) shown in Fig. 2-33-1.

3 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-33-2 on the new LOADING ARM UNIT (TU).

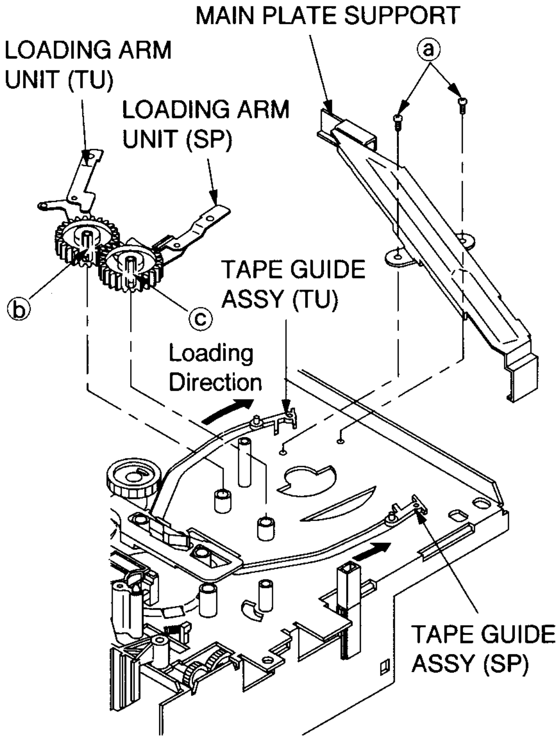
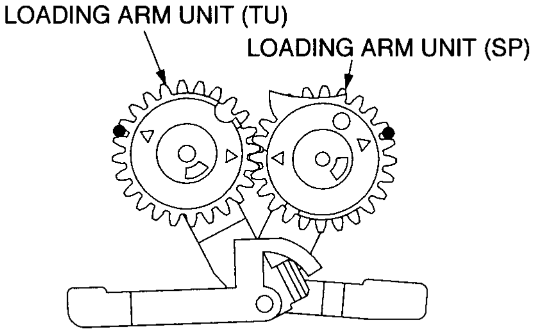

MAIN PLATE SUPPORT
LOADING ARM UNIT (TU)
ⓐ
LOADING ARM UNIT (SP)
TAPE GUIDE ASSY (TU)
ⓑ
ⓒ
Loading Direction
TAPE GUIDE ASSY (SP)

Fig. 2-33-1


LOADING ARM UNIT (TU)
LOADING ARM UNIT (SP)

Apply GREASE (MULTEMP SH-A) to the area ●.

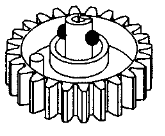


Fig. 2-33-2

4 Set the LOADING ARM UNIT (TU) shown in Fig. 2-33-3 so that the Δ mark of it matches with the Δ mark of the LOADING ARM UNIT (SP) and install it.
5 Move the TAPE GUIDE ASSY (SP) and TAPE GUIDE ASSY (TU) shown in Fig. 2-33-1 fully to the unloading position.
6 Install the MAIN PLATE SUPPORT shown Fig. 2-33-1.

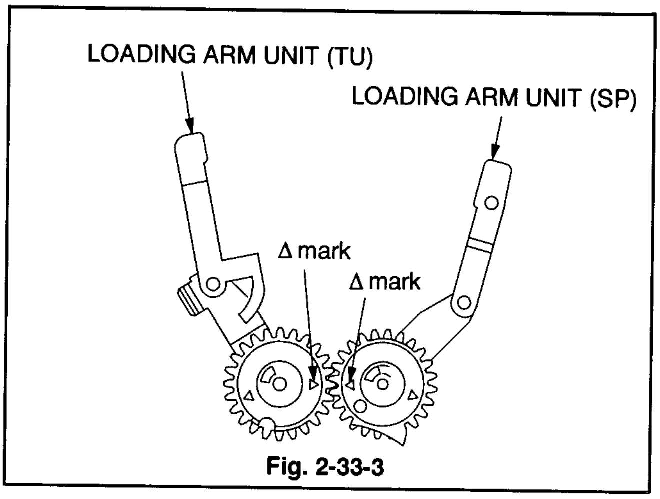


Fig. 2-33-3

2-34 CAM SPRING (C), CAM PLATE UNIT (C)

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LAMP GUIDE (Para. 2-7)
- LOADING BELT (Para. 2-11)
- REEL BELT (Para. 2-15)
- CAPSTAN BRAKE SPRING (Para. 2-16)
- CAPSTAN BRAKE (Para. 2-16)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- WORM PULLEY UNIT (Para. 2-17)
- CONTROL WIND LEVER (Para. 2-18)
- TENSION LEVER UNIT (Para. 2-18)
- LOADING GEAR (Para. 2-20)
- LAMP LOADING GEAR (Para. 2-20)
- CAM GEAR (TU) (Para. 2-21)
- CAM GEAR (SP) (Para. 2-32)

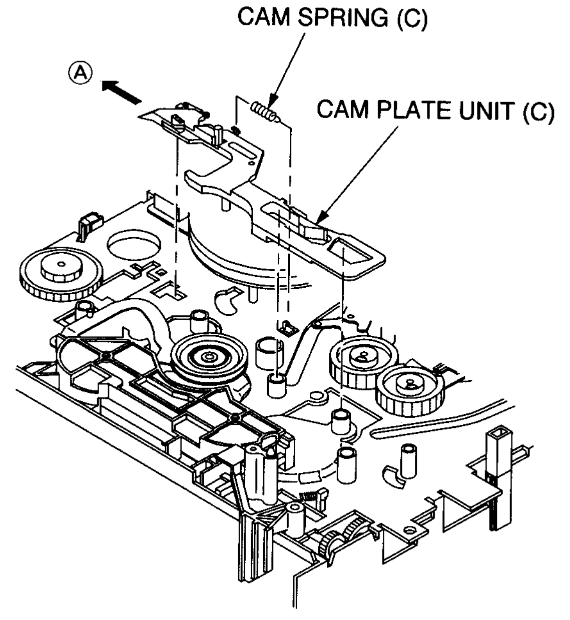


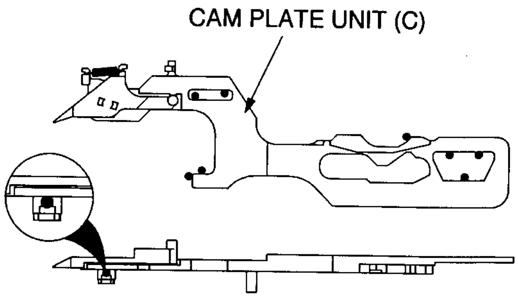
Fig. 2-34-1

(Removal)

1 Move the TAPE GUIDE ASSY (SP) and TAPE GUIDE ASSY (TU) shown in Fig. 2-33-1 fully to the loading position.
2 Remove the CAM SPRING (C) shown in Fig. 2-34-1.
3 Move the CAM PLATE UNIT (C) in the direction shown by arrow Ⓐ to remove it as shown in Fig. 2-34-1.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-34-2 on the new CAM PLATE UNIT (C).



Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-34-2

2 Install the CAM PLATE UNIT (C) shown in Fig. 2-34-3 so that the pin (ⓐ) of it enters the part A of the SHIFT LEVER.

3 Install the CAM SPRING (C) shown in Fig. 2-34-1.

4 Move the TENSION ARM shown in Fig. 2-34-4 fully to the direction shown by the arrow. Move the TAPE GUIDE ASSY (SP) and TAPE GUIDE ASSY (TU) shown in Fig. 2-33-1 fully to the unloading position.

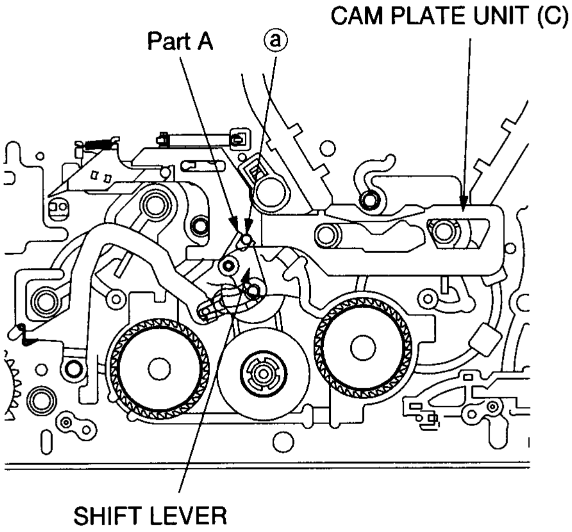


Fig. 2-34-3

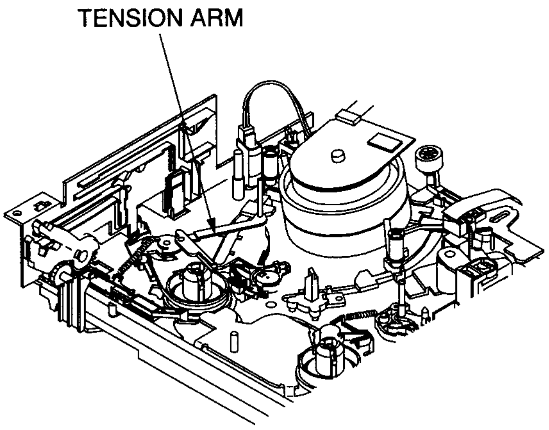


Fig. 2-34-4

2-35 TAPE GUIDE ASSY (SP), TAPE GUIDE ASSY (TU)

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LAMP GUIDE (Para. 2-7)
- LOADING BELT (Para. 2-11)
- REEL BELT (Para. 2-15)
- CAPSTAN BRAKE SPRING (Para. 2-16)
- CAPSTAN BRAKE (Para. 2-16)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- WORM PULLEY UNIT (Para. 2-17)
- CONTROL WIND LEVER (Para. 2-18)
- TENSION LEVER UNIT (Para. 2-18)
- LOADING GEAR (Para. 2-20)
- LAMP LOADING GEAR (Para. 2-20)
- CAM GEAR (TU) (Para. 2-21)
- CAM GEAR (SP) (Para. 2-32)
- LOADING ARM UNIT (TU) (Para. 2-33)
- LOADING ARM UNIT (SP) (Para. 2-33)
- CAM SPRING (C) (Para. 2-33)
- CAM PLATE UNIT (C) (Para. 2-34)

(Removal)

1 Move the TAPE GUIDE ASSY (SP) shown in Fig. 2-35-1 fully to the unloading position to remove it.

2 Move the TAPE GUIDE ASSY (TU) shown in Fig. 2-35-1 fully to the unloading position to remove it.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area specified in Fig. 2-35-2 on the MAIN PLATE ASSY .

2 Install the TAPE GUIDE ASSY (TU) shown in Fig. 2-35-1.

3 Install the TAPE GUIDE ASSY (SP) shown in Fig. 2-35-1.

4 Perform adjustments from "GUIDE ROLLER Adjustment" in Item 3-2-1 to "Check of FM Waveform Flatness" in Item 3-2-5 of "Interchangeability Adjustment of the Mechanism".

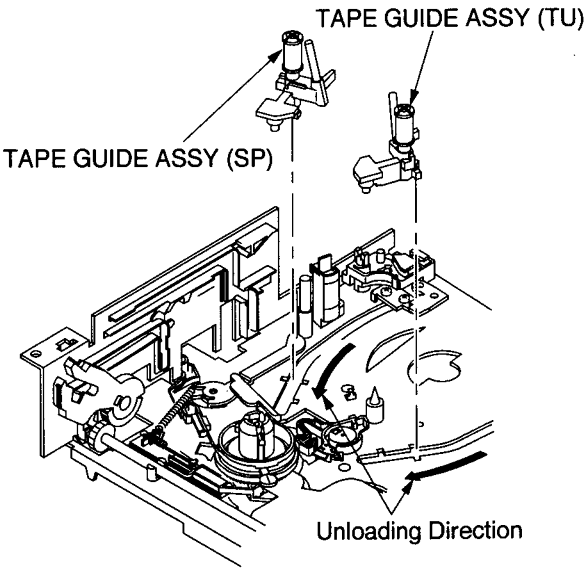
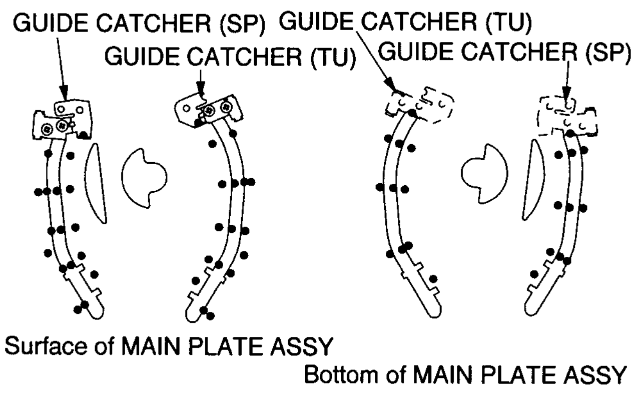


Fig. 2-35-1


GUIDE CATCHER (SP)
GUIDE CATCHER (TU)
GUIDE CATCHER (TU)
GUIDE CATCHER (SP)
Surface of MAIN PLATE ASSY
Bottom of MAIN PLATE ASSY

Apply GREASE (MULTEMP SH-A) to the area ●.

Fig. 2-35-2

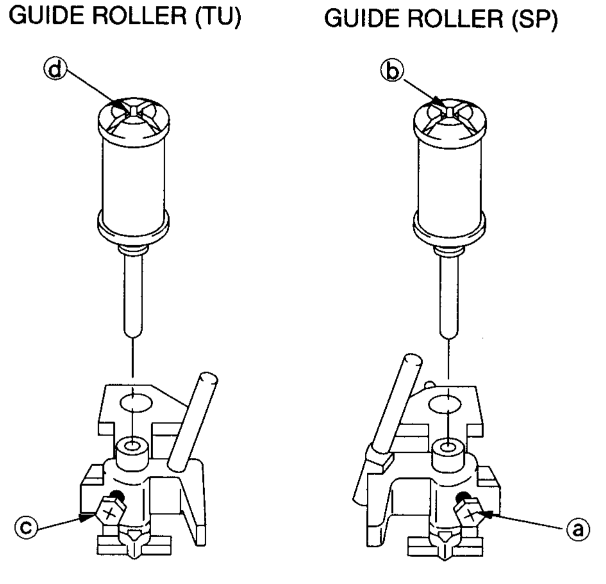

GUIDE ROLLER (TU)
GUIDE ROLLER (SP)
ⓓ
ⓑ
ⓒ
ⓐ

Fig. 2-36-1

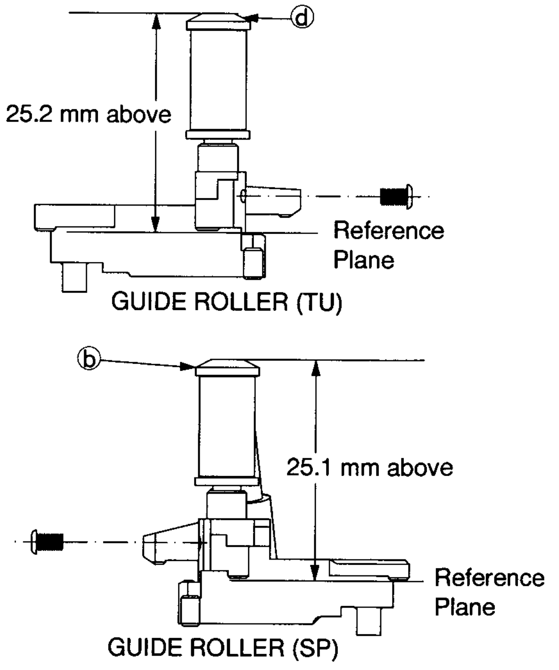

ⓓ
25.2 mm above
Reference Plane
GUIDE ROLLER (TU)
ⓑ
25.1 mm above
Reference Plane
GUIDE ROLLER (SP)

Fig. 2-36-2

2-36 GUIDE ROLLER (SP), GUIDE ROLLER (TU)

(Removal)

1. Loosen the GUIDE ROLLER (SP) fastening screw (ⓐ) with a L SHAPED BOX DRIVER (859C433070) so that the GUIDE ROLLER (SP) shown in Fig. 2-36-1 lightly turns.
2. Counter-clockwise turn the height adjustment screw (ⓑ) at the top of the GUIDE ROLLER (SP) shown in Fig. 2-36-1 with an adjustment driver (859C259080) to remove the GUIDE ROLLER (SP).
3. Loosen the GUIDE ROLLER (TU) fastening screw (ⓒ) so that the GUIDE ROLLER (TU) shown in Fig. 2-36-1 lightly turns.
4. Counter-clockwise turn the height adjustment screw (ⓓ) at the top of the GUIDE ROLLER (TU) shown in Fig. 2-36-1 with an adjustment driver (859C259080) to remove the GUIDE ROLLER (TU).

(Installation)

1. Insert the GUIDE ROLLER (TU) shown in Fig. 2-36-1 into the installation hole on the TAPE GUIDE ASSY (TU).
2. Clockwise turn the height adjustment screw (ⓓ) at the top of the GUIDE ROLLER (TU) shown in Fig. 2-36-2 with an adjustment driver (859C259080) so that the GUIDE ROLLER (TU) is at a height of 25.2 mm above the reference plane.
3. Lightly screw the GUIDE ROLLER (TU) fastening screw (ⓒ) shown in Fig. 2-36-1.
4. Insert the GUIDE ROLLER (SP) shown in Fig. 2-36-1 into the installation hole on the TAPE GUIDE ASSY (SP).
5. Clockwise turn the height adjustment screw (ⓑ) at the top of the GUIDE ROLLER (SP) shown in Fig. 2-36-2 with an adjustment driver (859C259080) so that the GUIDE ROLLER (SP) is at a height of 25.1 mm above the reference plane.
6. Lightly screw the GUIDE ROLLER (SP) fastening screw (ⓐ) shown in Fig. 2-36-1.
7. Perform “Check and Adjustment of the FM Envelope” in Para. 3-2 of “Interchangeability Adjustment of the Mechanism”.
8. Clean the GUIDE ROLLER (SP) and GUIDE ROLLER (TU) with DRY GAUZE.

2-37 DRUM CLAMPER, DRUM ASSY

(Removal)

1. Disconnect the CARD LEAD WIRE of the DRUM ASSY shown in Fig. 2-37-1.
2. Unscrew the two DRUM CLAMPER fastening screws (ⓐ and ⓑ) shown in Fig. 2-37-1 to remove the DRUM ASSY with the DRUM CLAMPER attached.
3. Move the DRUM CLAMPER in the direction shown by the arrow to remove it from the DRUM ASSY as shown in Fig. 2-37-2.
4. If the product is provided with the SHIM shown in Fig. 2-37-1, remove and scrap it.

(Installation)

Note : When replacing the DRUM ASSY, do not install the SHIM.

1. Attach the DRUM CLAMPER shown in Fig. 2-37-2 to the DRUM ASSY.
2. Install the DRUM ASSY with the DRUM CLAMPER attached shown in Fig. 2-37-1 on the MAIN PLATE ASSY.

Note : In installing the DRUM CLAMPER shown in Fig. 2-37-1, first install the screw ⓑ and then install the screw ⓐ.

3. Connect the CARD LEAD WIRE of the DRUM ASSY shown in Fig. 2-37-1.
4. Perform adjustment of "Playback Switching Point" described in ELECTRICAL ADJUSTMENTS.
5. Perform "Interchangeability Adjustment of the Mechanism".
6. Clean the DRUM ASSY shown in Fig. 2-37-1 with alcohol.

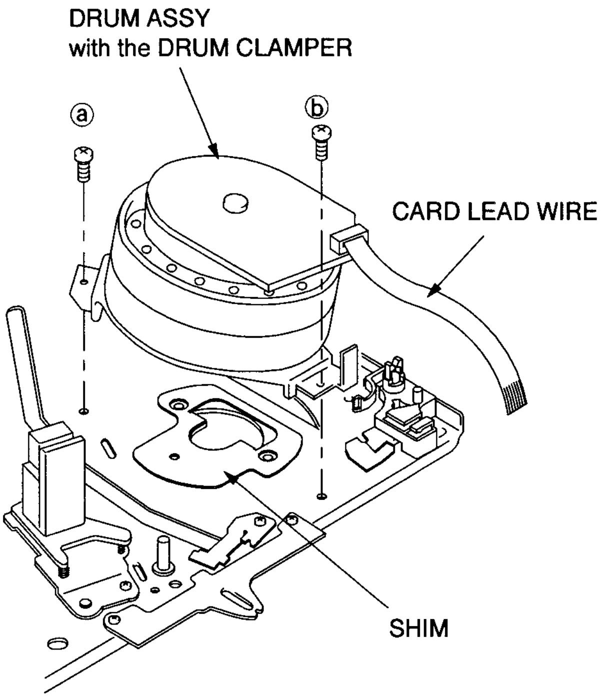

DRUM ASSY
with the DRUM CLAMPER
ⓐ
ⓑ
CARD LEAD WIRE
SHIM

Fig. 2-37-1

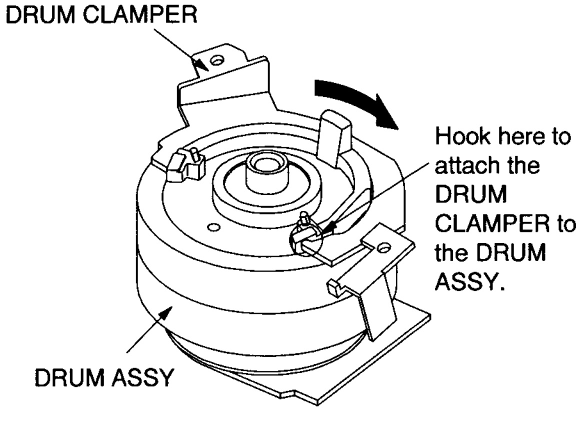

DRUM CLAMPER
Hook here to attach the DRUM CLAMPER to the DRUM ASSY.
DRUM ASSY

Fig. 2-37-2

2-38 DRUM MOTOR STATOR, BRUSH SPRING, ROTOR CASE, END RING, BRUSH, UPPER DRUM ASSY, SPACER

Position the set normally.

(Removal)

1 Disconnect the CARD LEAD WIRE of the DRUM ASSY shown in Fig. 2-38-1.

2 Unscrew the two DRUM MOTOR STATOR fastening screws (ⓐ and ⓑ) shown in Fig. 2-38-1 to remove the DRUM MOTOR STATOR.

3 Unscrew the two ROTOR CASE fastening screws (ⓒ and ⓓ) shown in Fig. 2-38-1 to remove the ROTOR CASE.

4 Loosen the END RING fastening screw (ⓔ) [hexagon screw] shown in Fig. 2-38-1 to remove the END RING.

5 Remove the BRUSH SPRING shown in Fig. 2-38-1.

6 Remove the BRUSH shown in Fig. 2-38-1.

7 Remove the UPPER DRUM ASSY shown in Fig. 2-38-1.

8 Remove the SPACER shown Fig. 2-38-1.

(Installation)

1 Install the SPACER shown in Fig. 2-38-1.

Note : Do not use any other SPACER than the one enclosed with the new UPPER DRUM ASSY for replacement.

2 Install the UPPER DRUM ASSY shown in Fig. 2-38-1.

3 Install the END RING shown in Fig. 2-38-1 so that the reference hole (Ⓐ) of the END RING is located in parallel with the rear line of the MAIN PLATE ASSY shown in Fig. 2-38-2.
(Install the reference hole (Ⓐ) to the right of the rear MAIN PLATE ASSY.)

4 Apply screw sealing agent to the END RING fastening screw (ⓔ) [hexagon screw] shown in Fig. 2-38-1.

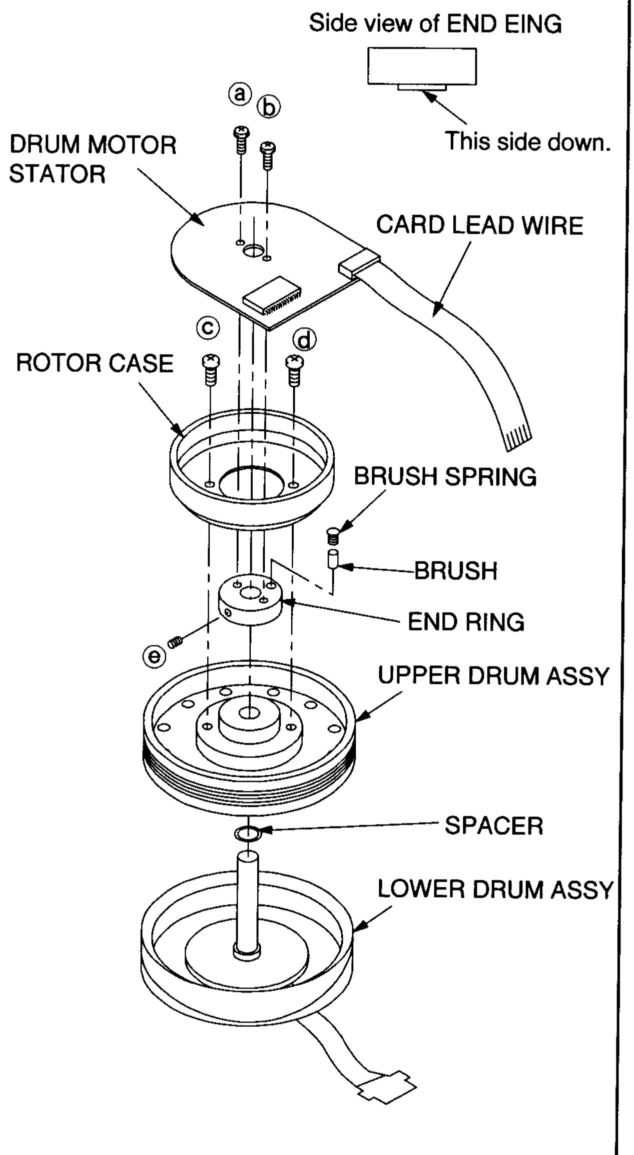

Side view of END EING
This side down.
ⓐ
ⓑ
DRUM MOTOR STATOR
CARD LEAD WIRE
ⓒ
ⓓ
ROTOR CASE
BRUSH SPRING
BRUSH
END RING
ⓔ
UPPER DRUM ASSY
SPACER
LOWER DRUM ASSY

Fig. 2-38-1

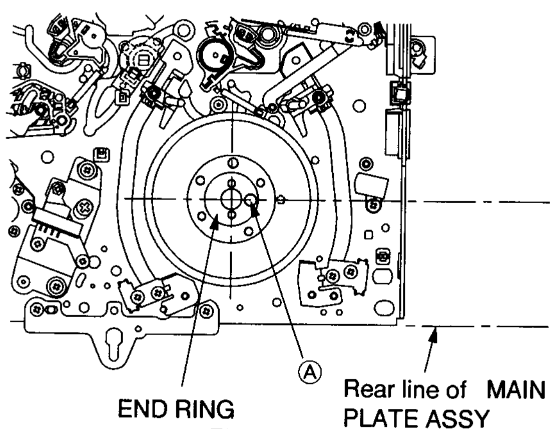

Ⓐ
END RING
Rear line of MAIN PLATE ASSY

Fig. 2-38-2

5 Install the ROTOR CASE shown in Fig. 2-38-1 so that the reference holes (Ⓐ) match each other at three points between the ROTOR CASE shown in Fig. 2-38-3 and the UPPER DRUM ASSY.
6 Install the BRUSH shown in Fig. 2-38-1.
7 Install the BRUSH SPRING shown in Fig. 2-38-1.
8 Install the DRUM MOTOR STATOR shown in Fig. 2-38-1.
9 Connect the CARD LEAD WIRE of the DRUM ASSY shown in Fig. 2-38-1.
10 Perform adjustment of "Playback Switching Point" described in ELECTRICAL ADJUSTMENTS of applicable service manual.
11 Perform "Interchangeability Adjustments of the Mechanism".
12 Clean the DRUM ASSY with alcohol.

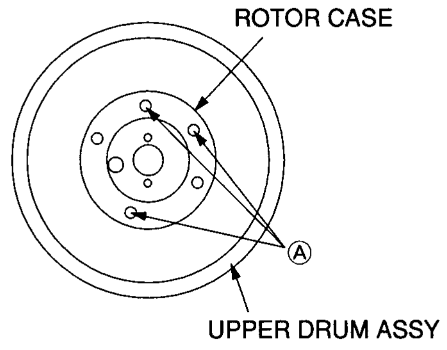


Fig. 2-38-3

2-39 SHIFT LEVER

Place the set upside down.
Before performing replacement in this paragraph, remove the following parts. Refer to the applicable paragraph for installation of each part.

- LAMP GUIDE (Para. 2-7)
- LOADING BELT (Para. 2-11)
- REEL BELT (Para. 2-15)
- CAPSTAN BRAKE SPRING (Para. 2-16)
- CAPSTAN BRAKE (Para. 2-16)
- BELT PULLEY (Para. 2-15)
- SHIFT SPRING (Para. 2-15)
- MODE HOLDER (Para. 2-17)
- REEL LOCK LEVER (Para. 2-17)
- MODE GEAR (Para. 2-17)
- WORM PULLEY UNIT (Para. 2-17)
- CONTROL WIND LEVER (Para. 2-18)
- TENSION LEVER UNIT (Para. 2-18)
- LOADING GEAR (Para. 2-20)
- LAMP LOADING GEAR (Para. 2-20)
- CAM GEAR (TU) (Para. 2-21)
- PHOTO UNIT (Para. 2-22)
- IDLER CENTRE LEVER (Para. 2-23)
- PULLEY GEAR (Para. 2-24)
- IDLER UNIT (Para. 2-24)
- CAM GEAR (SP) (Para. 2-32)
- CAM SPRING (C) (Para. 2-34)
- CAM PLATE UNIT (C) (Para. 2-34)

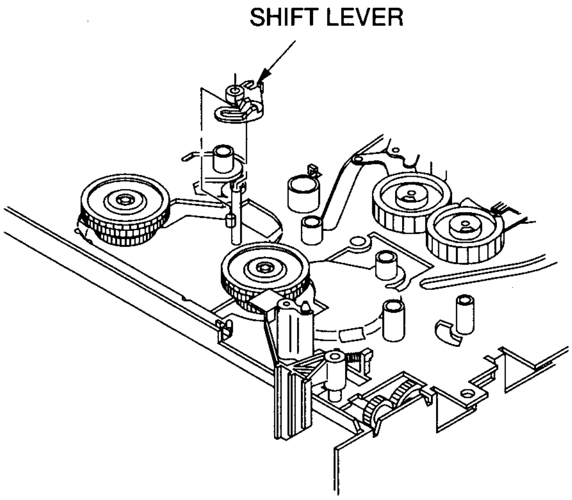


Fig. 2-39-1

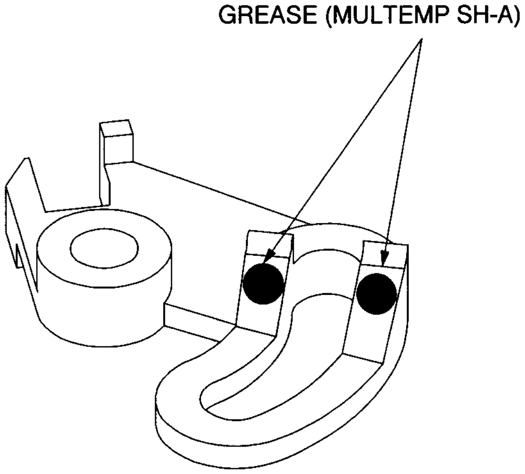


Fig. 2-39-2

(Removal)

1 Remove the SHIFT LEVER shown in Fig. 2-39-1.

(Installation)

1 Apply GREASE (MULTEMP SH-A) [859D055080] to the area of the new SHIFT LEVER shown in Fig. 2-39-2.
2 Install the SHIFT LEVER shown in Fig. 2-39-1.

2-40 IMPEDANCE UNIT (SP), FLYWHEEL (SP)

Position the set normally.

(Removal)

1 Unfasten the two catches (ⓐ and ⓑ) securing the IMPEDANCE UNIT (SP) shown in Fig. 2-40 and remove the FLYWHEEL (SP).
2 Remove the one screw (ⓒ) securing the IMPEDANCE UNIT (SP) shown in Fig. 2-40 and remove the IMPEDANCE UNIT (SP).

(Installation)

1 Install the IMPEDANCE UNIT (SP) shown in Fig. 2-40.
2 Install the FLYWHEEL (SP) shown in Fig. 2-40.

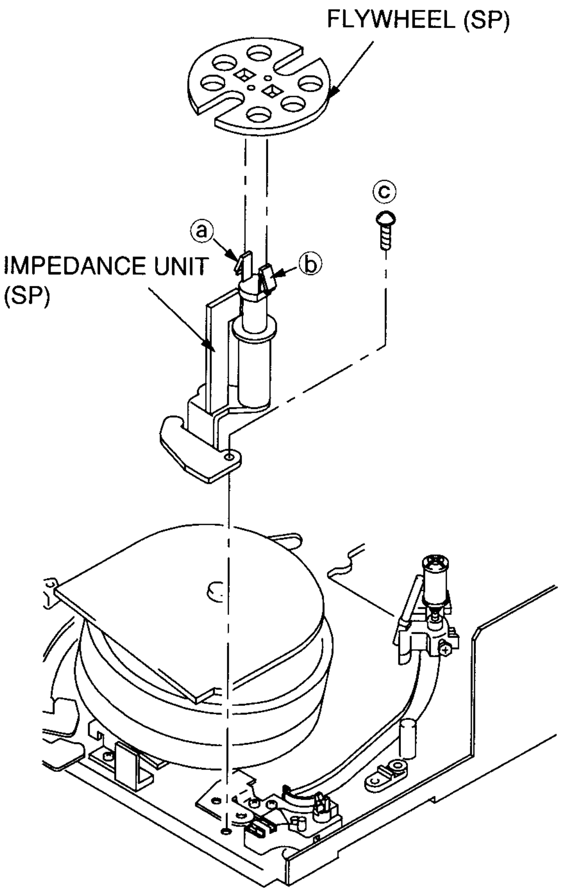


Fig. 2-40

3. Interchangeability Adjustment of the Mechanism

Note 1 : Tracking may need to be preset during interchangeability adjustment of the mechanism. Digital tracking is preset by short circuiting TP5A and TP5B on the PCB-MAIN.

Note 2 : The adjustments are performed in the playback mode, using the staircase signal of an alignment tape. Connect an oscilloscope to TP2A and external Trigger from TP2H, unless otherwise specified.

3-1 Adjustment of BACK TENSION and TENSION PIN Position

Run a blank tape for several minutes to break in the REEL DISKs and the transport before making the adjustment.

1. Playback an Alignment Tape.
   [PM6KH3 : 859C339030]
2. Make sure that the TENSION PIN is in the position shown in Fig. 3-1.
3. If the TENSION PIN is not in the position specified in Fig. 3-1, turn the boss to set the TENSION PIN to be in position.
4. Insert the Back Tension Gauge (859C345080) and set the VCR to the playback mode.
5. Make sure that the reading of the Back Tension Gauge (859C345080) is within 50 ± 6 g/cm.

Note : Before the measurement, make sure that the tape travel has become steady.
If the reading exceeds the specified value, replace the TENSION SPRING.

6. While tape travel is steady, check visually to make sure that the vibration range of the TENSION PIN is 1 mm or less.
   If the vibration range exceeds the specified value, replace the REEL DISK.

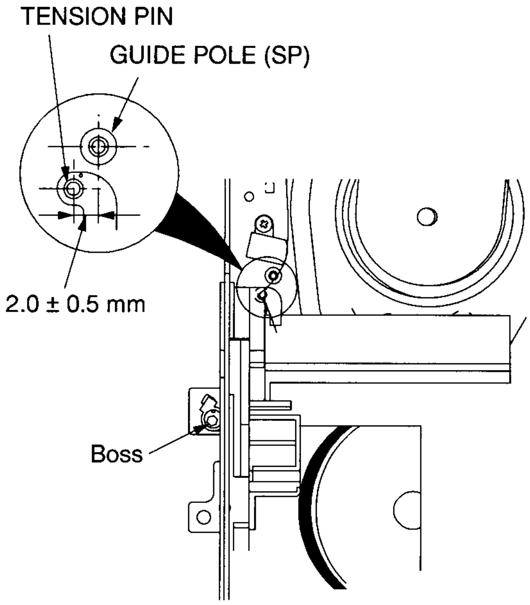


Fig. 3-1

3-2 Check and Adjustment of the FM Envelope

3-2-1 GUIDE ROLLER Adjustment

IMPORTANT

The Guide Rollers are secured by a hexagon screw, however, this screw, does not require to be loosened for adjustments to be made.

1. Playback an Alignment Tape.
   [PM6KH3 : 859C339030]
2. Preset tracking.
3. Make sure that the FM waveform is flat like A.
4. Perform "Adjustment of GUIDE ROLLER (SP) Height" in Item 3-2-2 if the leading portion (the entry side of the DRUM) of the FM waveform is like B or C. Perform "Adjustment of GUIDE ROLLER (TU) Height" in Item 3-2-3 if the trailing portion (the exit side of the DRUM) is like D or E.

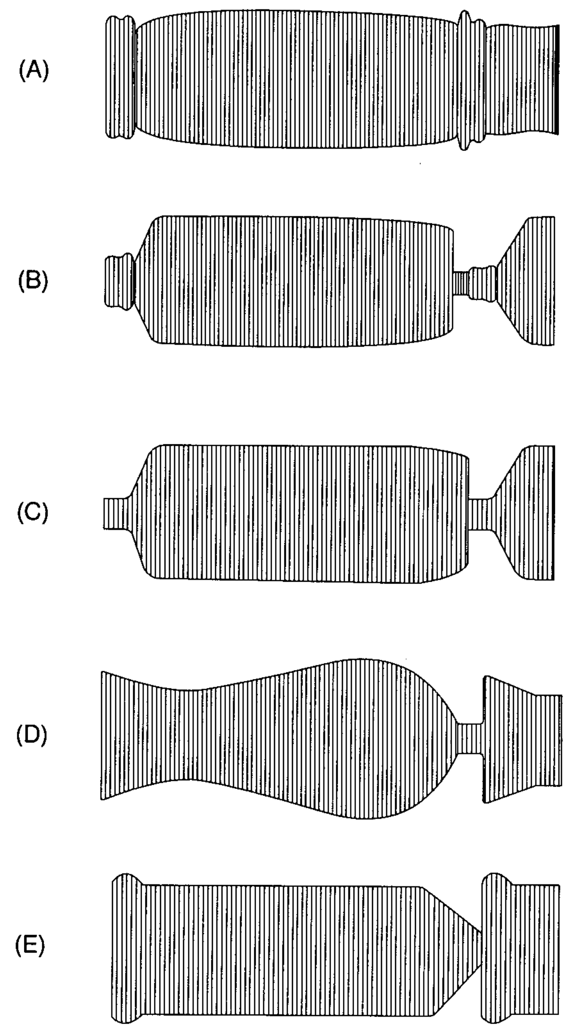


Fig. 3-2-1

3-2-2 Adjustment of GUIDE ROLLER (SP) Height

1. Loosen the screw with an L SHAPED BOX DRIVER (859C433070) so that the GUIDE ROLLER (SP) rotates freely.
2. Observe the leading edge (the entry side of the DRUM) of the FM waveform. If it is like B, the GUIDE ROLLER (SP) may be lower than the specified position, and if it is like C, the GUIDE ROLLER (SP) may be higher. Turn the adjustment screw at the top of the GUIDE ROLLER (SP) so that the FM waveform becomes flat like A.
   - Counter-clockwise turn the adjusting screw if the roller is low.
   - Clockwise turn the adjusting screw if the roller is high.
3. Tighten the screw.
4. Perform "Coarse Adjustment of Phase" in Item 3-2-4.

3-2-3 Adjustment of GUIDE ROLLER (TU) Height

1. Loosen the screw with an L SHAPED BOX DRIVER (859C433070) so that the GUIDE ROLLER (TU) rotates freely.
2. Observe the trailing edge (the exit side of the DRUM) of the FM waveform. If it is like D, the GUIDE ROLLER (TU) may be lower than the specified position, and if it is like E, the GUIDE ROLLER (TU) may be higher. Turn the adjustment screw at the top of the GUIDE ROLLER (TU) so that the FM waveform becomes flat like A.
   - Counter-clockwise turn the adjustment screw if the roller is low.
   - Clockwise turn the adjustment screw if the roller is high.
3. Tighten the screw .
4. Perform "Coarse Adjustment of Phase" in Item 3-2-4.

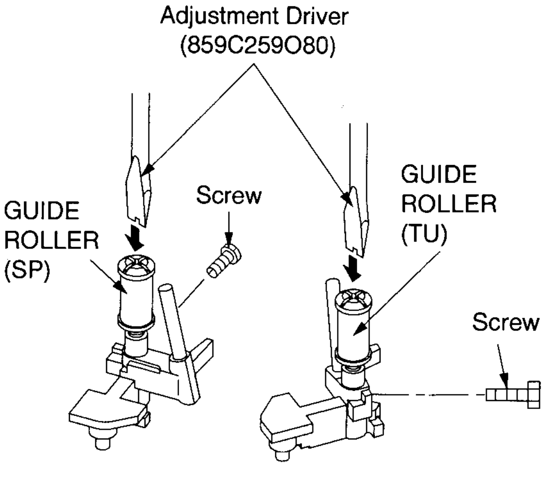


Fig. 3-2-2

3-2-4 Coarse Adjustment of Phase

1 Play back an Alignment Tape.
[PM6KH3 : 859C339O30]

2 Preset tracking.

3 Check the FM waveform after performing "GUIDE ROLLER Adjustment" in Item 3-2-1.

4 If the amplitude of the FM waveform is narrow like F because of out of phase, adjust it to the maximum like G in Fig. 3-2-4, by the following procedure.
Loosen the screws D and E and insert a screw driver into the plastic boss of the MAIN PLATE ASSY.
Move the A/C PLATE right and left to adjust the amplitude level of the FM waveform to the maximum. [Waveform G in Fig. 3-2-4]

5 Tighten the screws D and E.

3-2-5 Check of FM Waveform Flatness

1 Playback an Alignment Tape.
[PM6KH3 : 859C339O30]

Note : Perform the following procedure for selection of tracking method (manual or automatic) and for tracking adjustment.

- For the manual tracking adjustment, press a channel up/ down button during reproduction.
- To change the adjustment mode from manual to automatic in the tracking adjustment, press the channel up and down buttons at the same time.

2 Select the manual tracking mode.
Change tracking and make sure that the amplitude is changeable while the FM signal remains flat.

3 Adjust the tracking so that the amplitude level of the FM waveform is maximum. Set the oscilloscope so that the amplitude level of the FM waveform is 5 divisions.

4 Adjust tracking so that the peak value of the FM waveform is 4 divisions. Check if the FM waveforms B, C, D and E are within the specified values shown in Fig. 3-2-5.

5 If the waveform is not within the specified value, repeat the procedure in Item 3-2 "Check and adjustment of the FM Envelope" from the beginning.

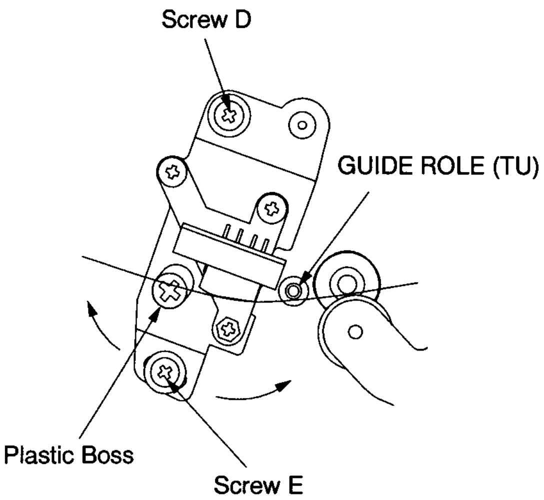


Fig. 3-2-3

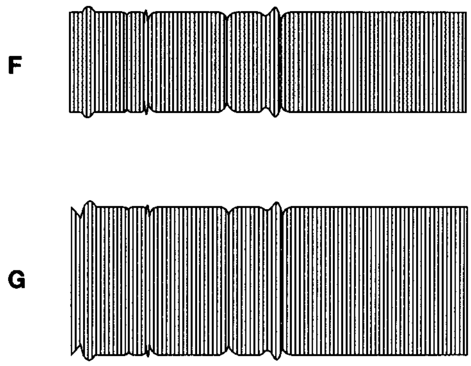
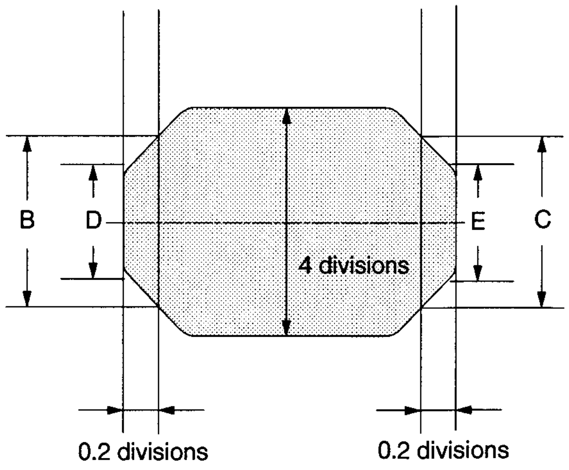


Fig. 3-2-4



B, C	At least 2.8 of the scale
D, E	At least 2.0 of the scale

Fig. 3-2-5

3-2-6 Tape Running Condition at the GUIDE ROLLERs (Check 1)

1 Playback an Alignment Tape.
[PM6KH3 : 859C339030]

2 Visually check if there is a space between the tape and the lower flanges of the GUIDE ROLLER (SP) and GUIDE ROLLER (TU).

3 If there is no space, replace the ASSY TAPE GUIDE (SP) and TAPE GUIDE ASSY (TU) according to Para. 2-35 in "Replacement of Major Parts".

4 Alternately load and unload the tape several times, check that flatness of the FM waveform does not change.

5 If flatness changes, check the installation condition of the A/C HEAD. If it is abnormally installed, replace the A/C HEAD UNIT according to para. 2-4 and perform "Coarse Adjustment of Phase" in Item 3-2-4 again.

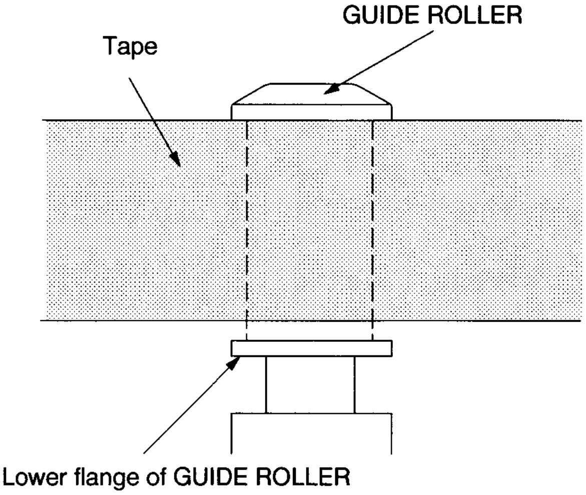


Fig. 3-2-6

3-2-7 Tape Running Condition at the GUIDE ROLLERs (Check 2)

1 Playback an Alignment Tape.
[PM6KH3 : 859C339030]

2 Lightly press and release the top of the GUIDE ROLLER (SP) and GUIDE ROLLER (TU). Check that the FM waveform is quickly restored to the previous level.

3 Replace the TAPE GUIDE ASSY (SP) and TAPE GUIDE ASSY (TU) according to Para. 2-35 in "Replacement of Major Parts".

3-3 Adjustment of A/C HEAD

3-3-1 Adjustment of A/C HEAD Slant

1. Playback a blank tape.
2. Slowly turn the adjusting screw C counter-clockwise to slightly crease the bottom of the tape at the flange portion of GUIDE POLE (TU) .
3. Slowly return the adjusting screw C to remove the crease.
4. Slowly turn the adjusting screw C counter-clockwise again and stop it just before the tape is creased.

3-3-2 Adjustment of A/C HEAD Azimuth and Height

1. If the height of the CONTROL HEAD is different from the specified value in Fig. 3-3-2, adjust it with the adjusting screw A.
2. After adjustment with the screw A, perform "Adjustment of A/C HEAD Slant" in Item 3-3-1 again.
3. Connect the oscilloscope to the audio output terminal.
4. Playback an Alignment Tape.
   [PM6KH3 : 859C339O30]
5. Adjust the audio output level to the maximum by turning the Azimuth adjusting screw B shown in Fig. 3-3-1.
   After the adjustment, pull out the screw driver and check if the audio output level is 4.6 divisions or more, where the maximum audio output level is set to 5.
   If the audio output level is less than 4.6, repeat the procedure 1 ~ 5.
6. Push the A/C HEAD to the right and left (in the direction A and A' in Fig. 3-3-1) and then release it. Check that the audio output level does not change. (Do not push the A/C HEAD such a degree that the audio output level is reduced less than 3/4 of its maximum value.)
7. Check that the change in the audio output level is less than 2 dB.
8. If the change exceeds 2 dB, perform "Adjustment of A/C HEAD Slant" in Item 3-3-1 and this adjustment.
9. If the above procedure of adjustment proves to be unsatisfactory, replace the TAPE GUIDE ASSY (SP) and TAPE GUIDE ASSY (TU) according to Para. 2-35 (Replacement of Major Parts).

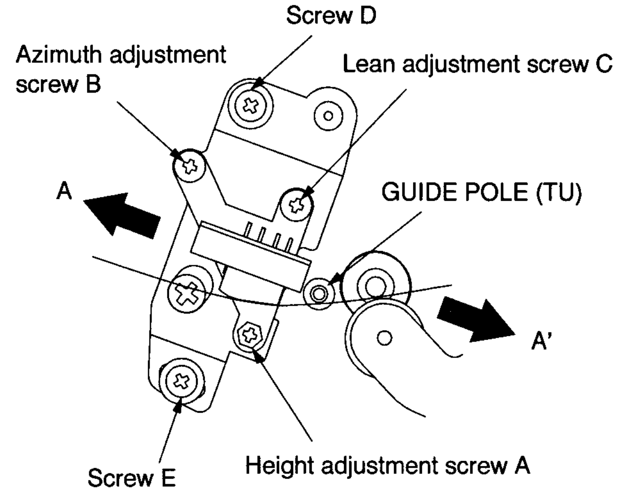

Screw D
Azimuth adjustment screw B
Lean adjustment screw C
A
GUIDE POLE (TU)
A'
Screw E
Height adjustment screw A

Fig. 3-3-1

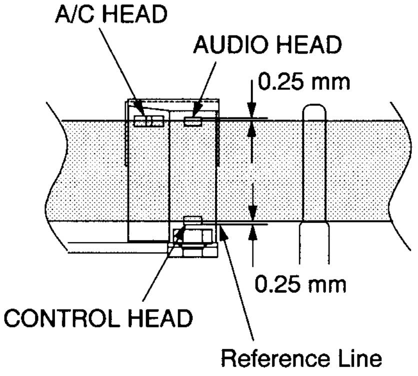

A/C HEAD
AUDIO HEAD
0.25 mm
0.25 mm
CONTROL HEAD
Reference Line

Fig. 3-3-2

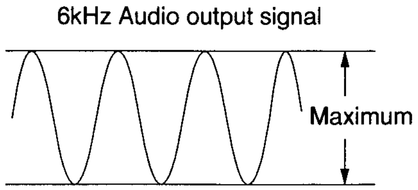

6kHz Audio output signal
Maximum

Fig. 3-3-3

3-4 Adjustment of Phase

1 Set the VCR to the playback mode.
(Use the Alignment Tape specified below to perform adjustment 1~4).
[PM3KE6 (CH1) 25 : 859C568050]

2 Preset tracking.

3 Loosen the screws D and E and insert a screw driver into the plastic boss of the MAIN PLATE ASSY. Move the A/C PLATE right and left to adjust the FM output waveform to the maximum.

4 Tighten the screws D and E.

5 Playback the Alignment Tape.
[PMX : 859C568070]

6 Connect TP2A (the FM waveform output) and the audio output terminal to the oscilloscope, external Trig. to TP2H, and check if the missing portions of the FM waveform and that of the audio waveform are within the specified value (field). (Refer to Fig. 3-4-2.)

7 If they are not within the specified value, repeat the procedure 3.

8 Turn the normal tracking control to adjust the FM waveform for maximum and set the oscilloscope so that the waveform is "5" divisions. (Refer to Note in Para. 3-2-5 about tracking adjustment.)

9 Preset tracking.

10 Check that the FM waveform on the oscilloscope is "4.8" or more divisions.

11 If the FM waveform is below "4.8" divisions, perform this adjustment after tracking preset.

12 Push the A/C HEAD to the right and left (in the direction of A-A' in Fig. 3-4-1) and then release the A/C HEAD. Check that the amplitude of the FM waveform does not change from that before shifting the A/C HEAD.

13 When the FM waveform Varies in amplitude level, check the mounting position of the A/C HEAD UNIT. If the portion is incorrect, correct the position following Item 2-4 "A/C HEAD UNIT" perform Item 3-3 "Adjustment of A/C HEAD" and repeat this adjustment from the beginning.

14 Alternately load and unload the tape several times to check that the amplitude of the FM waveform does not change.

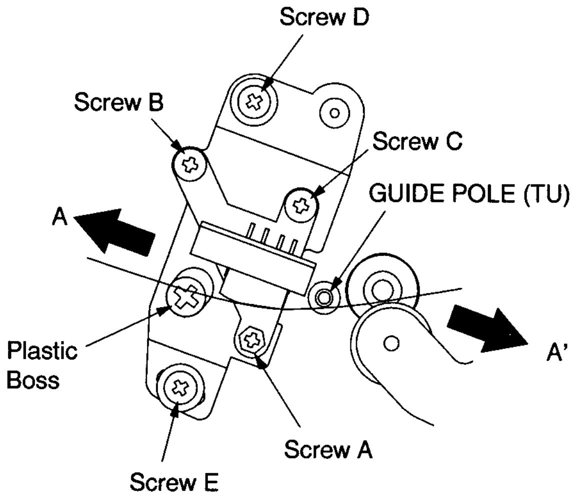


Fig. 3-4-1

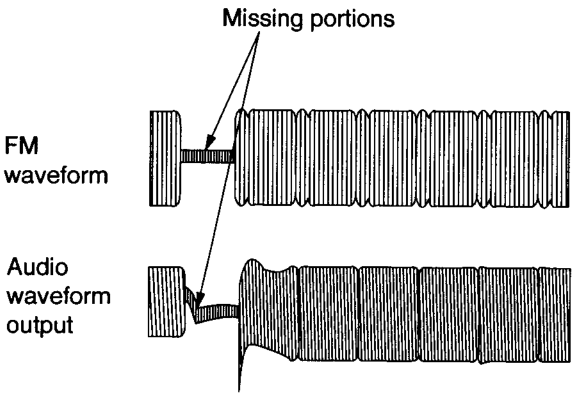


Fig. 3-4-2

3-5 Adjustment of GUIDE ARM ASSY (TU) Height

1 Run a final portion of T-240 blank tape in the reverse search mode.

2 Tighten the NYLON NUT of the GUIDE ARM ASSY (TU) with a box driver to lower the GUIDE ARM ASSY (TU) until the tape is creased at the lower flange of the GUIDE POLE (TU). Then slowly return the NYLON NUT, stop it at the point where the crease is removed. (During adjustment, use an uncovered cassette tape, or raise the cover so that the adjustment is available.)

Note : During adjustment, turn the NYLON NUT in the loosening direction. Do not turn the NYLON NUT more than ± 1/2 turn.

3 Eject and insert the cassette tape, and then set the VCR to the reverse search mode again. Check that the tape is not creased at the lower flange of the GUIDE POLE (TU). If the crease cannot be removed, repeat the procedure 1 ~ 3.

4 Set the VCR to the playback mode and check that the tape is not creased at the lower flange of the GUIDE POLE (TU). If the crease cannot be removed, repeat "Adjustment of A/C HEAD Slant" in Item 3-3-1 and the succeeding adjustments.

5 Run the start portion of T-180 blank tape in the forward search mode and check that the tape is not creased at the GUIDE POLE (TU).

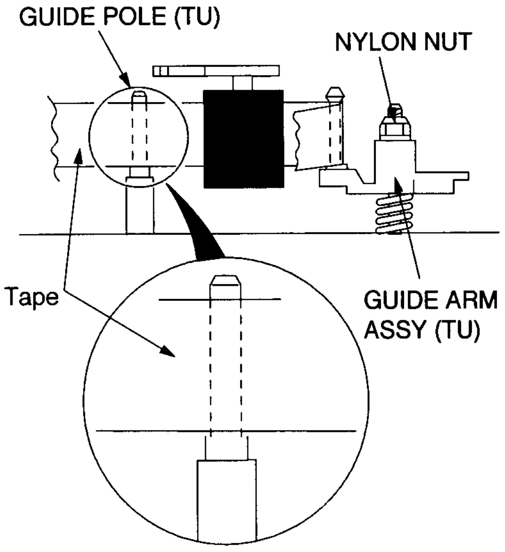


Fig. 3-5

4. Servicing for Tape Jamming during the Loading Process

1 Remove the DECK ASSY.

2 If the tape is caught in the mechanical parts to lock it, remove the tape.

3 If the TAPE GUIDE ASSY (TU) and TAPE GUIDE ASSY (SP) is in a status for loading, turn the LOADING MOTOR ASSY shown in Fig. 4 in the direction shown by arrow Ⓐ and move the TAPE GUIDE ASSY (TU) and TAPE GUIDE ASSY (SP) fully in the unloading direction.

4 Turn the CAPSTAN MOTOR shown in Fig. 4 in the direction shown by arrow Ⓑ to wind the tape up within the cassette.

5 Turn the LOADING MOTOR ASSY shown in Fig. 4 in the direction shown by arrow Ⓐ to eject the tape.

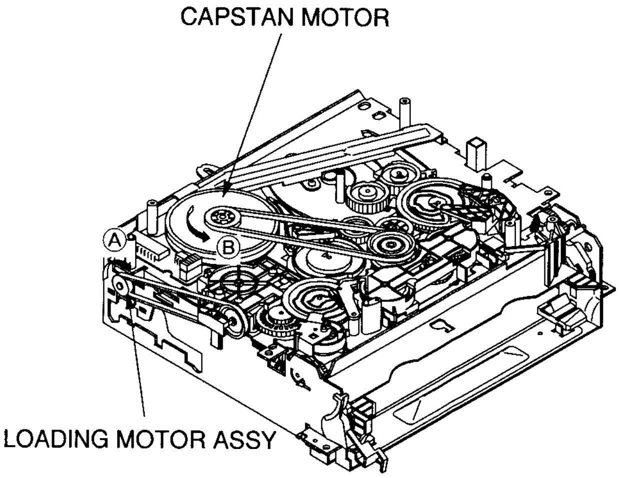


Fig. 4

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
D 907	264P825010	DIODE	ERA15-02	[E,GY]
D 908	264P825010	DIODE	ERA15-02	[E,GY]
D 909	264P568010	DIODE	1SS252	[B,IR]
D 9A1	264P695050	DIODE	D2S6M	
D 9A2	264P695030	DIODE	D2S4M	
D 9A3	264P663010	DIODE	D1NL20U	
D 9A4	264P663010	DIODE	D1NL20U	
D 9A5	264P568010	DIODE	1SS252	
D 9A6	264P568010	DIODE	1SS252	
D 9A7	264P104040	DIODE	HZ30-2	
D 9A8	264P568010	DIODE	1SS252	
D 9A9	264P452030	DIODE	HZ5C3	
D 9B0	264P568010	DIODE	1SS252	
D 9B1	264P484030	DIODE	RD5.6FB2	[B]
D 9B1	264P487080	DIODE	RD12FB2	[E,GY]
D 9B2	264P527010	DIODE	D1NS4	
D 9B3	264P568010	DIODE	1SS252	
D 9B4	264P568010	DIODE	1SS252	
D 9B5	264P456070	DIODE	RD2.4EB	
FILTERS				
CF701	296P071020	CERAMIC FILTER		[E,GY]
CF702	296P071010	CERAMIC FILTER		[E,GY]
L 901	351P038040	LINE FILTER	ELF-18D290HB	
COILS				
L 101	325C166030	PEAKING COIL	10µH-J	
L 201	325C167050	PEAKING COIL	100µH-J	
L 2A0	325C167030	PEAKING COIL	68µH-J	
L 2A1	325C167000	PEAKING COIL	39µH-J	
L 2A2	325C168070	PEAKING COIL	1000µH-J	
L 2E0	325C167050	PEAKING COIL	100µH-J	
L 2E1	325C167050	PEAKING COIL	100µH-J	
L 2H0	325C167050	PEAKING COIL	100µH-J	
L 2H1	325C166060	PEAKING COIL	18µH-J	
L 2J0	325C167050	PEAKING COIL	100µH-J	
L 2V0	325C166050	PEAKING COIL	15µH-J	
L 2V1	325C167050	PEAKING COIL	100µH-J	
L 2V2	325C166080	PEAKING COIL	27µH-J	[E,GY]
L 2V3	325C167050	PEAKING COIL	100µH-J	
L 2601	325C112050	PEAKING COIL	100µH-K	[E,GY]
L 2603	325C112050	PEAKING COIL	100µH-K	[E,GY]
L 2609	325C113010	PEAKING COIL	330µH-K	[E,GY]
L 2610	325C113010	PEAKING COIL	330µH-K	[E,GY]
L 2611	325C113010	PEAKING COIL	330µH-K	[E,GY]
L 2612	325C113010	PEAKING COIL	330µH-K	[E,GY]
L 2709	325C113010	PEAKING COIL	330µH-K	[B,IR]
L 2710	325C113010	PEAKING COIL	330µH-K	[B,IR]
L 2714	325C112050	PEAKING COIL	100µH-K	[B,IR]
L 2715	325C112050	PEAKING COIL	100µH-K	[B,IR]
L 301	325C167050	PEAKING COIL	100µH-J	
L 3601	321C114080	RF COIL	8200µH-J	
L 3602	321C113070	RF COIL	1000µH-K	
L 4A7	325C167050	PEAKING COIL	100µH-J	
L 4A8	325C121030	PEAKING COIL	10µH-K	
L 551	325C167050	PEAKING COIL	100µH-J	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
L 571	325C167050	PEAKING COIL	100µH-J	[B]
L 701	325C106030	PEAKING COIL	10µH-J	[E,GY]
L 702	325C106030	PEAKING COIL	10µH-J	[E,GY]
L 703	325C106030	PEAKING COIL	10µH-J	[E,GY]
L 704	321C114050	RF COIL	4700µH-J	[E,GY]
L 7A0	325C106060	PEAKING COIL	18µH-J	[B,E,IR]
L 7A1	325C107050	PEAKING COIL	100µH-J	[B,E,IR]
L 7A2	325C107050	PEAKING COIL	100µH-J	[B,E,IR]
L 7A3	325C107050	PEAKING COIL	100µH-J	[B,E,IR]
L 7A4	325C107050	PEAKING COIL	100µH-J	[B,E,IR]
L 7A5	325C107010	PEAKING COIL	47µH-J	[B,E,IR]
L 9A1	321C141030	RF COIL	10µH-K	
L 9A2	321C141030	RF COIL	10µH-K	
T 3601	409P852010	BIAS OSCILLATOR COIL	P852A10	
TRANSFORMERS				
T 901	350P706010	POWER TRANSFORMER	E-A1-26195	[B,IR]
T 901	350P706020	POWER TRANSFORMER	E-A1-26565	[E,GY]
VARIABLE RESISTORS				
VR4A0	127C381020	SEMIFIXED RESISTOR	1/5W B100kΩ-M	
VR756	127C380040	SEMIFIXED RESISTOR	1/5W B1kΩ-M	[E,GY]
RESISTORS				
R 101	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	
R 102	103P404000	CHIP RESISTOR	1/10W 18kΩ-J	
R 105	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B]
R 107	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B]
R 108	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B]
R 110	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B]
R 111	103P401030	CHIP RESISTOR	1/10W 100Ω-J	
R 112	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	
R 113	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 114	103P403060	CHIP RESISTOR	1/10W 8.2kΩ-J	
R 1A3	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[E,GY,IR]
R 1A4	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[E,GY,IR]
R 1A5	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[E,GY,IR]
R 1A6	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B]
R 1B1	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 1B2	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 1C3	103P402070	CHIP RESISTOR	1/10W 1.5kΩ-J	[E,GY]
R 1C4	103P402070	CHIP RESISTOR	1/10W 1.5kΩ-J	[E,GY]
R 1C5	103P401030	CHIP RESISTOR	1/10W 100Ω-J	[E,GY]
R 1C6	103P403020	CHIP RESISTOR	1/10W 3.9kΩ-J	[E,GY]
R 1C7	103P404060	CHIP RESISTOR	1/10W 56kΩ-J	[E,GY]
R 1C8	103P405050	CHIP RESISTOR	1/10W 330kΩ-J	[B,IR]
R 1C8	103P405080	CHIP RESISTOR	1/10W 560kΩ-J	[E,GY]
R 201	103P475060	CHIP RESISTOR	1/10W 20kΩ-F	
R 202	103P475060	CHIP RESISTOR	1/10W 20kΩ-F	
R 203	103P404070	CHIP RESISTOR	1/10W 68kΩ-J	
R 205	103P474090	CHIP RESISTOR	1/10W 10kΩ-F	
R 206	103P474090	CHIP RESISTOR	1/10W 10kΩ-F	
R 207	103P473030	CHIP RESISTOR	1/10W 2.2kΩ-F	
R 209	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 216	103P401030	CHIP RESISTOR	1/10W 100Ω-J	
R 217	103P404040	CHIP RESISTOR	1/10W 39kΩ-J	
R 218	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
R 219	103P403060	CHIP RESISTOR	1/10W 8.2kΩ-J	
R 220	103P403060	CHIP RESISTOR	1/10W 8.2kΩ-J	
R 221	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	
R 222	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	
R 2A0	103P474010	CHIP RESISTOR	1/10W 4.7kΩ-F	
R 2A1	103P402060	CHIP RESISTOR	1/10W 1.2kΩ-J	
R 2A2	103P401030	CHIP RESISTOR	1/10W 100Ω-J	
R 2A3	103P402030	CHIP RESISTOR	1/10W 680Ω-J	
R 2A4	103P472080	CHIP RESISTOR	1/10W 1.3kΩ-F	
R 2A5	103P403000	CHIP RESISTOR	1/10W 2.7kΩ-J	
R 2A6	103P401090	CHIP RESISTOR	1/10W 330Ω-J	
R 2A7	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 2A8	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 2A9	103P403060	CHIP RESISTOR	1/10W 8.2kΩ-J	
R 2B0	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 2B1	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2B2	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 2B3	103P402030	CHIP RESISTOR	1/10W 680Ω-J	
R 2B4	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	
R 2B5	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	
R 2B6	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	
R 2B7	103P401080	CHIP RESISTOR	1/10W 270Ω-J	
R 2B8	103P402060	CHIP RESISTOR	1/10W 1.2kΩ-J	
R 2C3	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 2C4	103P403030	CHIP RESISTOR	1/10W 4.7kΩ-J	
R 2E0	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 2E1	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 2E4	103P402040	CHIP RESISTOR	1/10W 820Ω-J	
R 2E5	103P401030	CHIP RESISTOR	1/10W 100Ω-J	
R 2E6	103P402060	CHIP RESISTOR	1/10W 1.2kΩ-J	
R 2E7	103P402070	CHIP RESISTOR	1/10W 1.5kΩ-J	
R 2F1	103P401060	CHIP RESISTOR	1/10W 180Ω-J	
R 2F6	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2F7	103P404060	CHIP RESISTOR	1/10W 56kΩ-J	
R 2F8	103P404060	CHIP RESISTOR	1/10W 56kΩ-J	
R 2H0	103P473030	CHIP RESISTOR	1/10W 2.2kΩ-F	
R 2H1	103P472050	CHIP RESISTOR	1/10W 1kΩ-F	
R 2H2	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 2H5	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2H6	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	
R 2H8	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2H9	103P401080	CHIP RESISTOR	1/10W 270Ω-J	
R 2J0	103P401070	CHIP RESISTOR	1/10W 220Ω-J	
R 2J2	103P401010	CHIP RESISTOR	1/10W 68Ω-J	
R 2J3	103P470070	CHIP RESISTOR	1/10W 180Ω-F	
R 2J4	103P470090	CHIP RESISTOR	1/10W 220Ω-F	
R 2J5	103P409090	CHIP RESISTOR	1/10W 75Ω-J	[E,GY]
R 2J8	103P401060	CHIP RESISTOR	1/10W 180Ω-J	
R 2J9	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 2K0	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[B,IR]
R 2K1	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[B,IR]
R 2K3	103P402040	CHIP RESISTOR	1/10W 820Ω-J	[B,IR]
R 2K6	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
R 2K7	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B,IR]
R 2L0	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B,IR]
R 2L1	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B,IR]
R 2L2	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
R 2L3	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	
R 2L4	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2L5	103P401060	CHIP RESISTOR	1/10W 180Ω-J	
R 2L6	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2L8	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 2M0	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2V0	103P401090	CHIP RESISTOR	1/10W 330Ω-J	
R 2V2	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[B,IR]
R 2V2	103P402000	CHIP RESISTOR	1/10W 390Ω-J	[E,GY]
R 2V3	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	[E,GY]
R 2V4	103P472000	CHIP RESISTOR	1/10W 620Ω-F	
R 2V5	103P472070	CHIP RESISTOR	1/10W 1.2kΩ-F	
R 2V7	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 2V8	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 2V9	103P403020	CHIP RESISTOR	1/10W 3.9kΩ-J	
R 2W0	103P474030	CHIP RESISTOR	1/10W 5.6kΩ-F	
R 2W1	103P473090	CHIP RESISTOR	1/10W 3.9kΩ-F	
R 2W2	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 2603	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	[E,GY]
R 2612	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[E,GY]
R 2613	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[E,GY]
R 2614	103P402010	CHIP RESISTOR	1/10W 470Ω-J	[E,GY]
R 2615	103P402010	CHIP RESISTOR	1/10W 470Ω-J	[E,GY]
R 2617	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[E,GY]
R 2618	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[E,GY]
R 2619	103P402010	CHIP RESISTOR	1/10W 470Ω-J	[E,GY]
R 2620	103P402010	CHIP RESISTOR	1/10W 470Ω-J	[E,GY]
R 2624	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 2625	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	[E,GY]
R 2629	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[E,GY]
R 2630	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[E,GY]
R 2632	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	[E,GY]
R 2633	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	[E,GY]
R 2634	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	[E,GY]
R 2712	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,IR]
R 2713	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,IR]
R 2717	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,IR]
R 2718	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,IR]
R 2719	103P402010	CHIP RESISTOR	1/10W 470Ω-J	[B,IR]
R 2720	103P402010	CHIP RESISTOR	1/10W 470Ω-J	[B,IR]
R 2721	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B]
R 2722	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B]
R 2724	103P401070	CHIP RESISTOR	1/10W 220Ω-J	[B,IR]
R 2725	103P401070	CHIP RESISTOR	1/10W 220Ω-J	[B,IR]
R 2726	103P401030	CHIP RESISTOR	1/10W 100Ω-J	[B,IR]
R 2727	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,IR]
R 2728	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[B,IR]
R 2729	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	[B,IR]
R 302	103P402030	CHIP RESISTOR	1/10W 680Ω-J	
R 303	103P402000	CHIP RESISTOR	1/10W 390Ω-J	
R 304	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	
R 306	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 307	103P402000	CHIP RESISTOR	1/10W 390Ω-J	
R 308	103P402020	CHIP RESISTOR	1/10W 560Ω-J	
R 309	103P402020	CHIP RESISTOR	1/10W 560Ω-J	
R 310	103P402000	CHIP RESISTOR	1/10W 390Ω-J	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
R 311	103P400020	CHIP METAL RESISTOR	1/10W 12Ω-J	
R 312	103P405030	CHIP RESISTOR	1/10W 220kΩ-J	
R 313	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 3002	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 3003	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 3004	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 3005	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 3006	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	[B,IR]
R 3006	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	[E]
R 3007	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[B,E,IR]
R 3008	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	[B,IR]
R 3008	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	[E]
R 3009	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[B,E,IR]
R 3010	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	
R 3011	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 3012	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 3013	103P402070	CHIP RESISTOR	1/10W 1.5kΩ-J	
R 3014	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	
R 3015	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 3016	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	
R 3017	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 3018	103P405030	CHIP RESISTOR	1/10W 220kΩ-J	
R 3019	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	
R 3020	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 3021	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[E,GY]
R 3022	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 3023	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[E,GY]
R 3024	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	
R 3025	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[B,IR]
R 3025	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	[E,GY]
R 3026	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	
R 3027	103P404040	CHIP RESISTOR	1/10W 39kΩ-J	[B,IR]
R 3027	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 3031	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 3032	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	
R 3034	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	
R 3036	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 3038	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 3100	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 3601	103P403080	CHIP RESISTOR	1/10W 12kΩ-J	
R 3602	103P405050	CHIP RESISTOR	1/10W 330kΩ-J	
R 3603	103P470080	CHIP RESISTOR	1/10W 200Ω-F	
R 3604	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 3605	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	
R 3606	103P402000	CHIP RESISTOR	1/10W 390Ω-J	
R 3607	103P401010	CHIP RESISTOR	1/10W 68Ω-J	
R 3608	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	
R 3609	103P403030	CHIP RESISTOR	1/10W 4.7kΩ-J	
R 3610	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 3611	103P403020	CHIP RESISTOR	1/10W 3.9kΩ-J	
R 3612	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 3613	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 3614	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 3615	103P408040	CHIP RESISTOR	1/10W 2.2Ω-K	
R 3616	103P475010	CHIP RESISTOR	1/10W 12kΩ-F	
R 3617	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	
R 3621	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
R 3622	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 3623	103P476060	CHIP METAL RESISTOR	1/10W 51kΩ-F	
R 3699	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 4A0	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4A1	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4A2	103P474090	CHIP RESISTOR	1/10W 10kΩ-F	
R 4A3	103P472070	CHIP RESISTOR	1/10W 1.2kΩ-F	
R 4A4	103P472070	CHIP RESISTOR	1/10W 1.2kΩ-F	
R 4A5	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 4A6	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 4A7	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4A9	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 4B0	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4B1	103P405000	CHIP RESISTOR	1/10W 120kΩ-J	
R 4B2	103P403020	CHIP RESISTOR	1/10W 3.9kΩ-J	
R 4B3	103P404060	CHIP RESISTOR	1/10W 56kΩ-J	
R 4B4	103P405040	CHIP RESISTOR	1/10W 270kΩ-J	
R 4B5	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
R 4B7	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 4B8	103P405050	CHIP RESISTOR	1/10W 330kΩ-J	
R 4B9	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 4C0	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 4C1	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4C2	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4C3	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4C4	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 4C5	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 4C6	103P405010	CHIP RESISTOR	1/10W 150kΩ-J	
R 4C7	103P405010	CHIP RESISTOR	1/10W 150kΩ-J	
R 4C8	103P405030	CHIP RESISTOR	1/10W 220kΩ-J	
R 4C9	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4D0	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 4D1	103P404040	CHIP RESISTOR	1/10W 39kΩ-J	
R 4D2	103P405030	CHIP RESISTOR	1/10W 220kΩ-J	
R 4D3	103P404060	CHIP RESISTOR	1/10W 56kΩ-J	
R 4D4	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 4D5	103P405050	CHIP RESISTOR	1/10W 330kΩ-J	
R 4D6	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 4D8	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 4D9	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4E0	103P402060	CHIP RESISTOR	1/10W 1.2kΩ-J	
R 4E1	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 4E3	103P473070	CHIP RESISTOR	1/10W 3.3kΩ-F	
R 4F1	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4S1	103P402030	CHIP RESISTOR	1/10W 680Ω-J	
R 4S5	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 4S6	103P404000	CHIP RESISTOR	1/10W 18kΩ-J	
R 4S7	103P409090	CHIP RESISTOR	1/10W 75Ω-J	
R 4S9	103P403000	CHIP RESISTOR	1/10W 2.7kΩ-J	
R 551	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 552	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	
R 553	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 554	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 555	103P406020	CHIP METAL RESISTOR	1/10W 1.2MΩ-J	
R 556	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 557	103P406020	CHIP METAL RESISTOR	1/10W 1.2MΩ-J	
R 573	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[B]

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
R 575	103P402000	CHIP RESISTOR	1/10W 390Ω-J	[B]
R 583	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[B]
R 585	103P402000	CHIP RESISTOR	1/10W 390Ω-J	[B]
R 5A1	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 5A2	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 5A3	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 5A8	103P401070	CHIP RESISTOR	1/10W 220Ω-J	
R 5A9	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 5B0	103P402010	CHIP RESISTOR	1/10W 470Ω-J	
R 5B1	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 5B2	103P402030	CHIP RESISTOR	1/10W 680Ω-J	[B,IR]
R 5B2	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[E,GY]
R 5B3	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 5B5	103P405050	CHIP RESISTOR	1/10W 330kΩ-J	
R 5B6	103P405050	CHIP RESISTOR	1/10W 330kΩ-J	
R 5B8	103P404080	CHIP RESISTOR	1/10W 82kΩ-J	
R 5B9	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 5C0	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 5C1	103P401090	CHIP RESISTOR	1/10W 330Ω-J	
R 5C2	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 5C3	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 5C6	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 5C7	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 5D4	103P405030	CHIP RESISTOR	1/10W 220kΩ-J	
R 5D5	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	
R 5D6	103P405070	CHIP RESISTOR	1/10W 470kΩ-J	
R 5D7	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 5D8	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 5D9	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 5E0	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 5E1	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	
R 5E2	103P404000	CHIP RESISTOR	1/10W 18kΩ-J	
R 5E3	103P406090	CHIP METAL RESISTOR	1/10W 4.7MΩ-K	
R 5E4	103P406090	CHIP METAL RESISTOR	1/10W 4.7MΩ-K	
R 5E5	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 5E6	103P477010	CHIP RESISTOR	1/10W 82kΩ-F	
R 5E7	103P476030	CHIP RESISTOR	1/10W 39kΩ-F	
R 5E8	103P475060	CHIP RESISTOR	1/10W 20kΩ-F	
R 5E9	103P404000	CHIP RESISTOR	1/10W 18kΩ-J	
R 5F0	103P403030	CHIP RESISTOR	1/10W 4.7kΩ-J	
R 5F7	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 5F8	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 5F9	103P403060	CHIP RESISTOR	1/10W 8.2kΩ-J	[E,GY]
R 5G0	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	
R 5H1	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 5H3	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 5H4	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 5H7	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 5H8	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	
R 5J1	103P404000	CHIP RESISTOR	1/10W 18kΩ-J	
R 5J3	103P402090	CHIP RESISTOR	1/10W 2.2kΩ-J	
R 5J6	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[E,GY]
R 5J7	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	
R 5J8	103P401090	CHIP RESISTOR	1/10W 330Ω-J	
R 5K0	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	
R 701	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[E,GY]
R 702	103P403090	CHIP RESISTOR	1/10W 15kΩ-J	[E,GY]
R 703	103P472000	CHIP RESISTOR	1/10W 620Ω-F	[E,GY]
R 704	103P472000	CHIP RESISTOR	1/10W 620Ω-F	[E,GY]
R 705	103P401070	CHIP RESISTOR	1/10W 220Ω-J	[E,GY]
R 706	103P401030	CHIP RESISTOR	1/10W 100Ω-J	[E,GY]
R 707	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	[E,GY]
R 710	103P403050	CHIP RESISTOR	1/10W 6.8kΩ-J	[E,GY]
R 731	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	[E,GY]
R 732	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	[E,GY]
R 7A1	103P403060	CHIP RESISTOR	1/10W 8.2kΩ-J	[B,E,IR]
R 7A2	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,E,IR]
R 7A3	103P402030	CHIP RESISTOR	1/10W 680Ω-J	[B,E,IR]
R 7A4	103P401010	CHIP RESISTOR	1/10W 68Ω-J	[B,E,IR]
R 7C0	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[B,E,IR]
R 7C1	103P404010	CHIP RESISTOR	1/10W 22kΩ-J	[B,E,IR]
R 7C2	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	[B,E,IR]
R 7C4	103P405090	CHIP RESISTOR	1/10W 680kΩ-J	[B,E,IR]
R 7C5	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	[B,E,IR]
R 7C6	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[B,E,IR]
R 7C7	103P406010	CHIP RESISTOR	1/10W 1MΩ-J	[B,E,IR]
R 7C8	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[B,E,IR]
R 7C9	103P402080	CHIP RESISTOR	1/10W 1.8kΩ-J	[B,E,IR]
R 7D0	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	[B,E,IR]
R 7D1	103P401030	CHIP RESISTOR	1/10W 100Ω-J	[B,E,IR]
R 7D2	103P402050	CHIP RESISTOR	1/10W 1kΩ-J	[B,E,IR]
R 901	102P108060	WIRE RESISTOR	2W 3.3Ω-J	
R 910	109D036040	COMPOSITION RESISTOR	1/2W 8.2MΩ-K	
R 9A5	103P405080	CHIP RESISTOR	1/10W 560kΩ-J	
R 9A7	103P404030	CHIP RESISTOR	1/10W 33kΩ-J	
R 9A8	109P052010	FUSE RESISTOR	1/4W 100Ω-J	
R 9A9	103P403010	CHIP RESISTOR	1/10W 3.3kΩ-J	
R 9B3	103P475030	CHIP RESISTOR	1/10W 15kΩ-F	
R 9B6	103P476060	CHIP METAL RESISTOR	1/10W 51kΩ-F	
R 9C0	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 9C1	103P403000	CHIP RESISTOR	1/10W 2.7kΩ-J	
R 9C3	103P404020	CHIP RESISTOR	1/10W 27kΩ-J	
R 9C4	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	
R 9C5	103P378050	FUSE RESISTOR	1/4W 2.7Ω-J	
R 9D1	103P401050	CHIP RESISTOR	1/10W 150Ω-J	
R 9E1	103P403070	CHIP RESISTOR	1/10W 10kΩ-J	[E,GY]
R 9E3	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 9E4	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 9E5	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	[E,GY]
R 9E6	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	[E,GY]
R 9E7	103P404050	CHIP RESISTOR	1/10W 47kΩ-J	[E,GY]
R 9E9	103P403030	CHIP RESISTOR	1/10W 4.7kΩ-J	[E,GY]
R 9F0	103P404090	CHIP RESISTOR	1/10W 100kΩ-J	
R 9F1	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	[E,GY]
R 9F2	103P403040	CHIP RESISTOR	1/10W 5.6kΩ-J	[E,GY]
RJ 4	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 6	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 7	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 8	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
RJ 9	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 10	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 12	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 13	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
RJ 14	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
RJ 15	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 22	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 23	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 24	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 31	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
RJ 32	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 33	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 34	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 35	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 36	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 37	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 38	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 39	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 40	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 41	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 44	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 45	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 46	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 47	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 48	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 50	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
RJ 53	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 60	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
RJ 61	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
RJ 62	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
RJ 63	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 64	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 65	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 66	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 67	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 68	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 69	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 70	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 71	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 72	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 73	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ 74	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	
RJ701	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	[E,GY]
RJ702	103P409050	CHIP RESISTOR	0.1W 0Ω(2125)	

CAPACITORS AND TRIMMERS

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
C 104	141P130090	CHIP CAPACITOR	B50V 1000pF-K	
C 201	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 202	154P323000	CHIP CAPACITOR	SL50V 56pF-J	
C 203	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 204	154P323000	CHIP CAPACITOR	SL50V 56pF-J	
C 205	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 206	154P322080	CHIP CAPACITOR	SL50V 47pF-J	
C 207	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 208	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 209	154P322080	CHIP CAPACITOR	SL50V 47pF-J	
C 210	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 211	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 212	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 213	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 215	141P132000	CHIP CAPACITOR	B50V 8200pF-K	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
C 217	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 218	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 219	141P132010	CHIP CAPACITOR	B50V 0.01µF-K	
C 226	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 227	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 2A0	154P324040	CHIP CAPACITOR	SL50V 220pF-J	
C 2A1	154P323020	CHIP CAPACITOR	SL50V 68pF-J	
O C 2A2	154P325060	CHIP CAPACITOR	SL50V 680pF-J	
C 2A3	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 2A5	141P137030	CHIP CAPACITOR	B50V 0.018µF-K	
C 2A6	154P321060	CHIP CAPACITOR	SL50V 15pF-J	
C 2A7	141P130090	CHIP CAPACITOR	B50V 1000pF-K	
C 2A8	154P324040	CHIP CAPACITOR	SL50V 220pF-J	
C 2A9	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2B0	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2B3	141P139000	CHIP CAPACITOR	B25V 0.056µF-K	
C 2B5	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 2B7	154P322040	CHIP CAPACITOR	SL50V 33pF-J	
C 2B8	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 2D1	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 2D2	141P131090	CHIP CAPACITOR	B50V 6800pF-K	
C 2D4	154P324000	CHIP CAPACITOR	SL50V 150pF-J	
C 2D5	141P132010	CHIP CAPACITOR	B50V 0.01µF-K	
C 2E0	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2E1	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2E2	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 2E3	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2E4	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2E5	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
O C 2E6	141P131070	CHIP CAPACITOR	B50V 4700pF-K	
C 2E7	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2E9	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2F0	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2F1	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	
C 2F2	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2F3	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2F4	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2F7	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2H0	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2H1	154P325020	CHIP CAPACITOR	SL50V 470pF-J	
C 2H2	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2H3	154P323020	CHIP CAPACITOR	SL50V 68pF-J	
C 2H4	154P323000	CHIP CAPACITOR	SL50V 56pF-J	
C 2H5	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2V0	154P332030	CHIP CAPACITOR	CH50V 33pF-J	
C 2V1	154P332030	CHIP CAPACITOR	CH50V 33pF-J	
C 2V2	154P322080	CHIP CAPACITOR	SL50V 47pF-J	[E,GY]
C 2V3	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 2V4	141P132010	CHIP CAPACITOR	B50V 0.01µF-K	
C 2V5	141P130050	CHIP CAPACITOR	B50V 470pF-K	
C 2V6	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2V7	141P131010	CHIP CAPACITOR	B50V 1500pF-K	
C 2V8	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2V9	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 2601	141P137040	CHIP CAPACITOR	B25V 0.022µF-K	[E,GY]
C 2603	141P137040	CHIP CAPACITOR	B25V 0.022µF-K	[E,GY]

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
C 2604	141P135080	CHIP CAPACITOR	F25V 0.1μF-Z	[E,GY]
C 2605	141P137040	CHIP CAPACITOR	B25V 0.022μF-K	[E,GY]
C 2606	141P135080	CHIP CAPACITOR	F25V 0.1μF-Z	[E,GY]
C 2615	141P135080	CHIP CAPACITOR	F25V 0.1μF-Z	[E,GY]
C 2616	141P137040	CHIP CAPACITOR	B25V 0.022μF-K	[E,GY]
C 2633	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[E,GY]
C 2634	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2635	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2636	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2637	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2638	141P131020	CHIP CAPACITOR	B50V 1800pF-K	[E,GY]
C 2639	141P131090	CHIP CAPACITOR	B50V 6800pF-K	[E,GY]
C 2640	141P131020	CHIP CAPACITOR	B50V 1800pF-K	[E,GY]
C 2641	141P131090	CHIP CAPACITOR	B50V 6800pF-K	[E,GY]
C 2642	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[E,GY]
C 2643	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2644	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2645	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2646	141P130030	CHIP CAPACITOR	B50V 330pF-K	[E,GY]
C 2647	141P131020	CHIP CAPACITOR	B50V 1800pF-K	[E,GY]
C 2648	141P131090	CHIP CAPACITOR	B50V 6800pF-K	[E,GY]
C 2649	141P131020	CHIP CAPACITOR	B50V 1800pF-K	[E,GY]
C 2650	141P131090	CHIP CAPACITOR	B50V 6800pF-K	[E,GY]
C 2655	141P132000	CHIP CAPACITOR	B50V 8200pF-K	[E,GY]
C 2733	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[B,IR]
C 2734	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2735	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2736	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2737	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2742	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[B,IR]
C 2743	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2744	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2745	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2746	141P130030	CHIP CAPACITOR	B50V 330pF-K	[B,IR]
C 2747	141P131020	CHIP CAPACITOR	B50V 1800pF-K	[B,IR]
C 2748	141P131090	CHIP CAPACITOR	B50V 6800pF-K	[B,IR]
C 2749	141P131020	CHIP CAPACITOR	B50V 1800pF-K	[B,IR]
C 2750	141P131090	CHIP CAPACITOR	B50V 6800pF-K	[B,IR]
C 2751	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[B]
C 2752	154P324080	CHIP CAPACITOR	SL50V 330pF-J	[B]
C 2773	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	[B,IR]
C 301	141P139030	CHIP CAPACITOR	B25V 0.1μF-K	
C 302	141P135080	CHIP CAPACITOR	F25V 0.1μF-Z	
C 303	141P132010	CHIP CAPACITOR	B50V 0.01μF-K	
C 304	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	
C 305	141P135080	CHIP CAPACITOR	F25V 0.1μF-Z	
C 307	141P139030	CHIP CAPACITOR	B25V 0.1μF-K	
C 308	154P324040	CHIP CAPACITOR	SL50V 220pF-J	
C 309	141P139030	CHIP CAPACITOR	B25V 0.1μF-K	
C 310	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	
C 311	154P323060	CHIP CAPACITOR	SL50V 100pF-J	
C 312	154P323060	CHIP CAPACITOR	SL50V 100pF-J	
C 313	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	
C 314	141P139030	CHIP CAPACITOR	B25V 0.1μF-K	
C 315	141P139030	CHIP CAPACITOR	B25V 0.1μF-K	
C 3009	141P132010	CHIP CAPACITOR	B50V 0.01μF-K	
C 3012	141P132010	CHIP CAPACITOR	B50V 0.01μF-K	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
C 3013	141P132010	CHIP CAPACITOR	B50V 0.01μF-K	
C 3020	141P139030	CHIP CAPACITOR	B25V 0.1μF-K	
C 3021	141P139000	CHIP CAPACITOR	B25V 0.056μF-K	
O C 3022	141P130070	CHIP CAPACITOR	B50V 680pF-K	
C 3026	141P135080	CHIP CAPACITOR	F25V 0.1μF-Z	
C 3042	141P135010	CHIP CAPACITOR	F25V 0.33μF-Z	
C 3043	141P132010	CHIP CAPACITOR	B50V 0.01μF-K	
C 3044	141P135080	CHIP CAPACITOR	F25V 0.1μF-Z	
C 3603	141P131040	CHIP CAPACITOR	B50V 2700pF-K	
O C 3605	141P130070	CHIP CAPACITOR	B50V 680pF-K	
C 3610	141P139030	CHIP CAPACITOR	B25V 0.1μF-K	
C 3611	141P130060	CHIP CAPACITOR	B50V 560pF-K	
C 3614	141P130090	CHIP CAPACITOR	B50V 1000pF-K	
C 3615	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 3620	154P323060	CHIP CAPACITOR	SL50V 100pF-J	
C 3621	154P323060	CHIP CAPACITOR	SL50V 100pF-J	
C 3622	154P324040	CHIP CAPACITOR	SL50V 220pF-J	
C 4B0	141P131080	CHIP CAPACITOR	B50V 5600pF-K	
C 4B1	141P131080	CHIP CAPACITOR	B50V 5600pF-K	
C 4B3	141P132000	CHIP CAPACITOR	B50V 8200pF-K	
C 4B5	141P130090	CHIP CAPACITOR	B50V 1000pF-K	
C 4B6	141P139000	CHIP CAPACITOR	B25V 0.056μF-K	
C 4B7	154P332010	CHIP CAPACITOR	CH50V 27pF-J	
C 4B8	141P139010	CHIP CAPACITOR	B25V 0.068μF-K	
C 4B9	141P139030	CHIP CAPACITOR	B25V 0.1μF-K	
C 4C0	141P131050	CHIP CAPACITOR	B50V 3300pF-K	
C 4C4	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	
C 4C5	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	
C 4C9	141P131060	CHIP CAPACITOR	B50V 3900pF-K	
C 4D0	141P131010	CHIP CAPACITOR	B50V 1500pF-K	
C 4D3	141P137070	CHIP CAPACITOR	B25V 0.039μF-K	
C 4D7	141P137070	CHIP CAPACITOR	B25V 0.039μF-K	
C 4G7	154P333050	CHIP CAPACITOR	CH50V 100pF-J	
C 4G8	154P333050	CHIP CAPACITOR	CH50V 100pF-J	
C 4J0	154P332030	CHIP CAPACITOR	CH50V 33pF-J	
C 551	154P324000	CHIP CAPACITOR	SL50V 150pF-J	
C 552	141P137060	CHIP CAPACITOR	B50V 0.033μF-K	
C 554	141P131030	CHIP CAPACITOR	B50V 2200pF-K	
C 555	141P137060	CHIP CAPACITOR	B50V 0.033μF-K	
C 556	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	
C 573	154P331070	CHIP CAPACITOR	CH50V 18pF-J	[B]
C 574	154P331070	CHIP CAPACITOR	CH50V 18pF-J	[B]
C 576	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	[B]
C 5A0	189P197020	ELE DOUBLE LAYER C	FM0H473Z	
C 5A3	141P134010	CHIP CAPACITOR	F50V 0.047μF-Z	
C 5A5	141P135080	CHIP CAPACITOR	F25V 0.1μF-Z	
C 5A6	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	
C 5A7	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	
C 5A8	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	
C 5A9	141P133090	CHIP CAPACITOR	F50V 0.022μF-Z	
C 5B1	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	
C 5B2	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	
C 5B3	141P133080	CHIP CAPACITOR	F50V 0.01μF-Z	
C 5B5	141P134010	CHIP CAPACITOR	F50V 0.047μF-Z	
C 5B6	154P331070	CHIP CAPACITOR	CH50V 18pF-J	
C 5B7	154P331070	CHIP CAPACITOR	CH50V 18pF-J	
C 5B8	154P330090	CHIP CAPACITOR	CH50V 8pF-C	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
C 5B9	154P331010	CHIP CAPACITOR	CH50V 10pF-C	
C 5C0	141P130060	CHIP CAPACITOR	B50V 560pF-K	
C 701	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]
C 703	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]
C 704	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]
C 705	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]
C 706	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]
C 707	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]
C 709	141P132010	CHIP CAPACITOR	B50V 0.01µF-K	[E,GY]
C 714	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[E,GY]
C 721	154P322080	CHIP CAPACITOR	SL50V 47pF-J	[E,GY]
C 7A1	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR]
C 7A2	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	[B,E,IR]
C 7C0	154P324040	CHIP CAPACITOR	SL50V 220pF-J	[B,E,IR]
C 7C1	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR]
C 7C3	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR]
C 7C5	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR]
C 7C8	154P322080	CHIP CAPACITOR	SL50V 47pF-J	[B,E,IR]
C 7C9	154P322080	CHIP CAPACITOR	SL50V 47pF-J	[B,E,IR]
C 7D3	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR]
C 7D4	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR]
C 7D6	154P323020	CHIP CAPACITOR	SL50V 68pF-J	[B,E,IR]
C 7D9	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR]
C 7E0	154P323020	CHIP CAPACITOR	SL50V 68pF-J	[B,E,IR]
C 7E5	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR]
C 7E6	154P321020	CHIP CAPACITOR	SL50V 10pF-C	[B,E,IR]
C 7E8	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	[B,E,IR]
C 7F0	141P130040	CHIP CAPACITOR	B50V 390pF-K	[B,E,IR]
C 7F1	141P137080	CHIP CAPACITOR	B25V 0.047µF-K	[B,E,IR]
C 901	189P153040	M-P CAPACITOR-AC	AC250V 0.1µF-M	
C 904	189P153040	M-P CAPACITOR-AC	AC250V 0.1µF-M	
C 909	189P094060	CERAMIC CAPACITOR AC	ACT4K E1000pF-M	[B,IR]
C 909	189P094040	CERAMIC CAPACITOR AC	ACT4K E2200pF-M	[E,GY]
C 9A9	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 9B1	141P133080	CHIP CAPACITOR	F50V 0.01µF-Z	
C 9B2	141P139030	CHIP CAPACITOR	B25V 0.1µF-K	

SWITCHES

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
S 101	431C110010	SLIDE SWITCH	ANTENNA	[E,GY,IR]
S 5A0	432P089020	KEY BOARD SWITCH	POWER	
S 5A1	432P089020	KEY BOARD SWITCH	EJECT	
S 5A2	432P089020	KEY BOARD SWITCH	O.K.PROG	
S 5A3	432P089020	KEY BOARD SWITCH	AUTO SETUP/JUST CLOCK	
S 5A4	432P089020	KEY BOARD SWITCH	COUNTER-RESET	[B,IR]
S 5A4	432P089020	KEY BOARD SWITCH	POWER-SAVE	[E,GY]
S 5A5	432P089020	KEY BOARD SWITCH	PLAY/STOP	
S 5A6	432P089020	KEY BOARD SWITCH	REC/OTR	
S 5A7	432P089020	KEY BOARD SWITCH	CH-DOWN	
S 5A8	432P089020	KEY BOARD SWITCH	CH-UP	
S 5A9	432P089020	KEY BOARD SWITCH	REW	
S 5B0	432P089020	KEY BOARD SWITCH	FF	
S 5B1	432P166010	KEY BOARD SWITCH	RESET	

MISCELLANEOUS

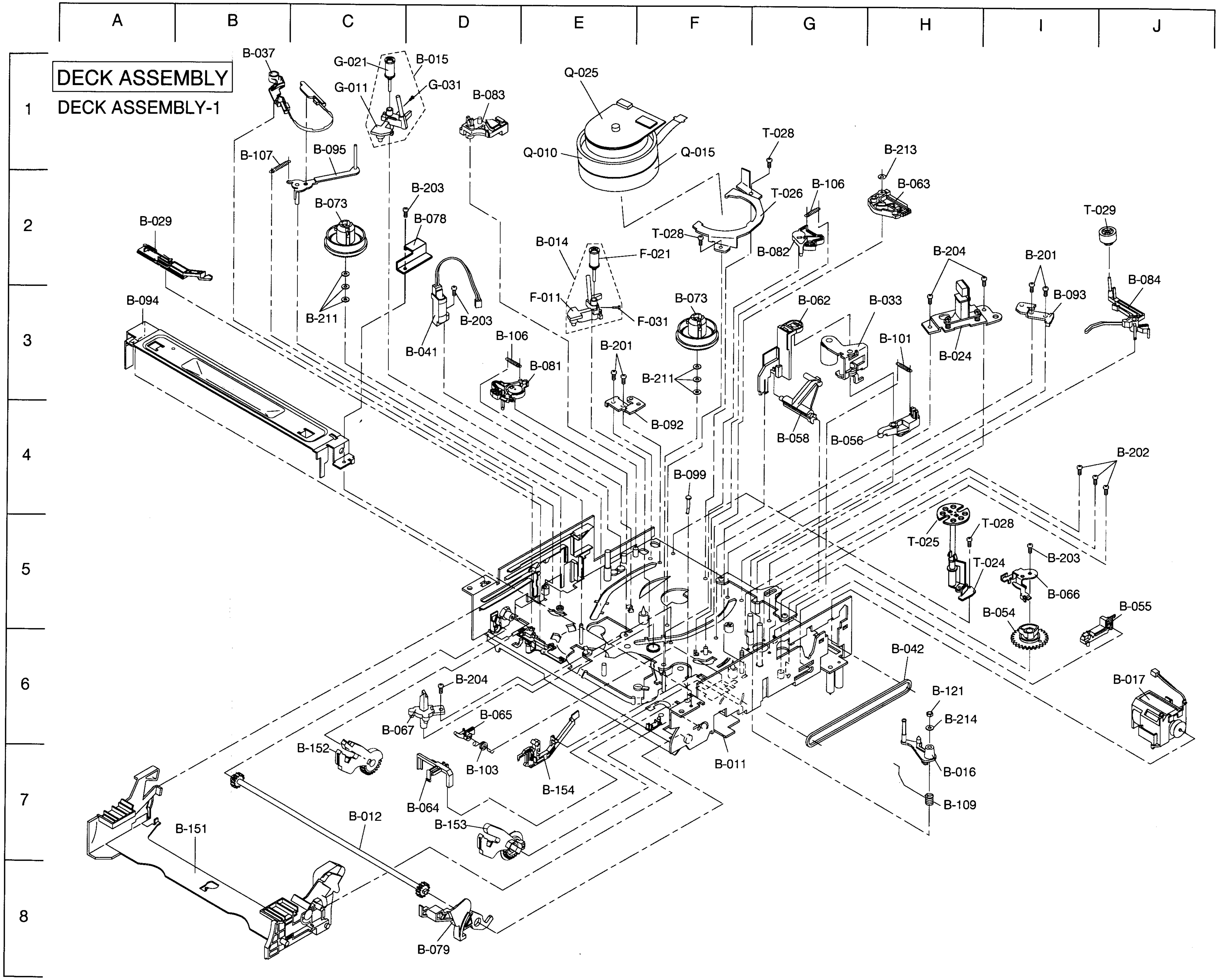
SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
O F 901	283D147040	FUSE	T2A	
J 2601	452C210010	CONNECTOR	21	[E,GY]
J 2602	452C210010	CONNECTOR	21	[E,GY]
J 2603	451C086090	RCA PIN JACK	WHITE	[GY]
J 2604	451C086010	RCA PIN JACK	RED	[GY]
J 2701	452C210010	CONNECTOR	21	[B,IR]
J 2702	452C210010	CONNECTOR	21	[B,IR]
J 2703	451C086090	RCA PIN JACK	WHITE	[B]
J 2704	451C086010	RCA PIN JACK	RED	[B]
J 581	451C193010	HEADPHONE JACK		[B]
M 572	288P159010	CAPSTAN MOTOR	F2QTB22	
MA DA	243C193030	CARD LEAD WIRE	7PIN L=120	
MD DD	243C193050	CARD LEAD WIRE	7PIN L=160	
O ME HE	243C157020	CARD LEAD WIRE	13P L=100	
PC901	268P069010	PHOTO COUPLER	ON3171R	
PC902	268P069010	PHOTO COUPLER	ON3171R	[E,GY]
SA901	299P198010	SURGE ABSORBER	ERZV07D471	
T 371	460P055050	FE HEAD		
TU 01	295P455020	TUNER	ENG57539N1	[B]
TU 01	295P455010	TUNER	ENG57538N	[E,GY]
O TU 01	295P455040	TUNER	ENG57544N	[IR]
O V 5A0	253P127030	FLOUR DISPLAY TUBE	25U48104TA	
O X 2A0	285P304010	CRYSTAL RESONATOR	4.43MHz	
X 4A0	285P272010	CRYSTAL RESONATOR	4.43362MHz	
X 571	285P029040	CRYSTAL RESONATOR	4.00000MHz	[B]
X 5A0	285P054030	CRYSTAL RESONATOR	32.8kHz	
X 5A1	285P235010	CRYSTAL RESONATOR	8.3886MHz	
X 701	285P204020	CRYSTAL RESONATOR	10MHz	[E,GY]
X 7A0	285P253010	CRYSTAL RESONATOR	8.192MHz	[B,E,IR]
Z 5A0	939P580040	PREAMP UNIT	TFMX 5330	

PRINTED CIRCUIT BOARD ASSY'S

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION	
O	928D370001	CONNECTOR PCB ASSY		[B,IR]
O	928D371001	CONNECTOR PCB ASSY		[E]
	928D371005	CONNECTOR PCB ASSY		[GY]
	928D369001	DUAL PCB ASSY		[B,IR]
	928D378002	DUAL PCB ASSY		[E]
O	928D378001	DUAL PCB ASSY		[GY]
O	927B987001	MAIN PCB ASSY		[B]
O	925B003002	MAIN PCB ASSY		[E]
O	925B003001	MAIN PCB ASSY		[GY]
O	927B987004	MAIN PCB ASSY		[IR]
	928D380001	POWER SAVE PCB ASSY		[E,GY]

DECK ASSEMBLY

DECK ASSEMBLY-1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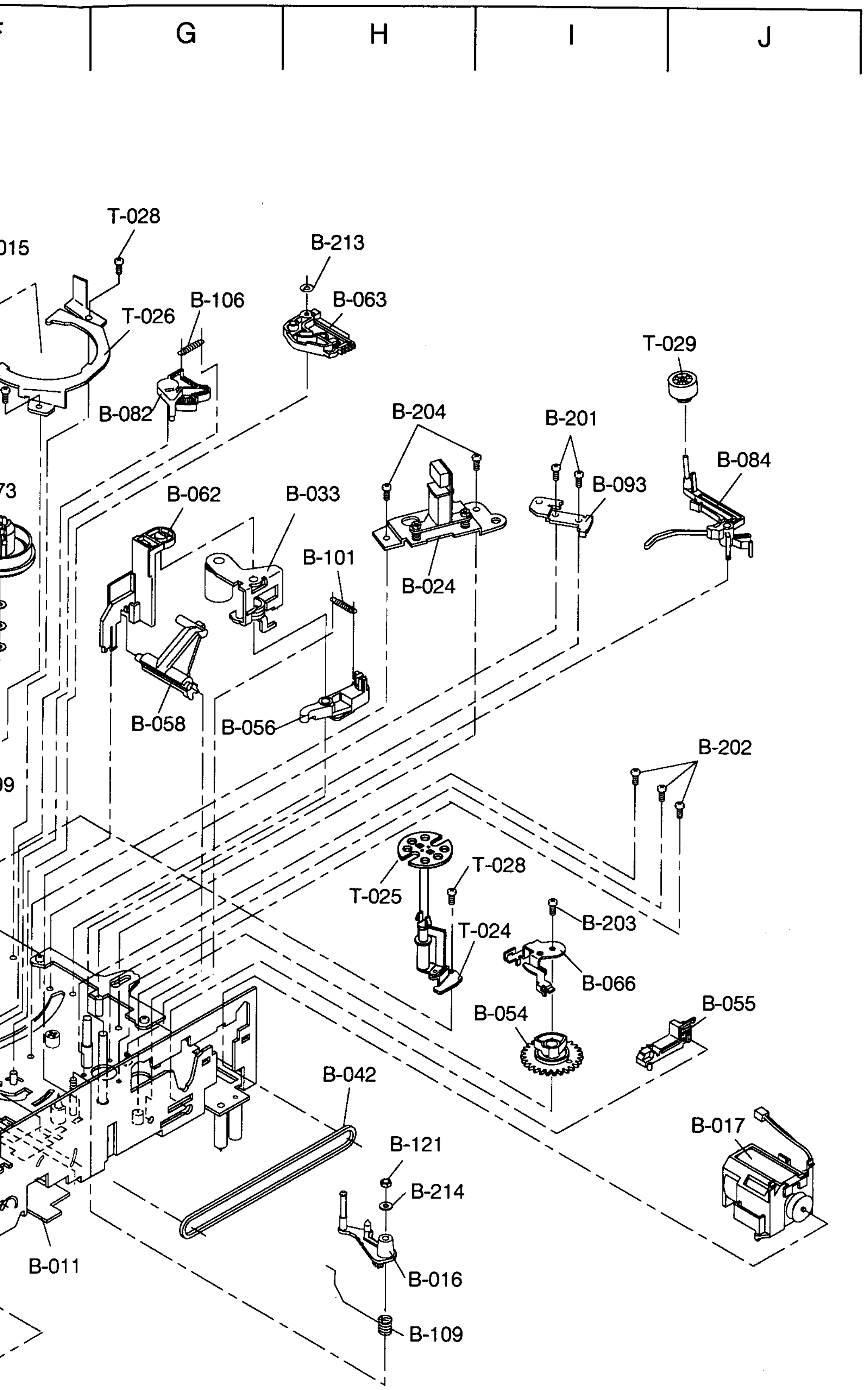
* Settled Service Parts

ITEM	PARTS NO.	*	ADDRESS		PARTS NAM
B-021	641B805O50	○	D-6		REEL GEAR UNIT
B-022	641B805O60	○	C-6		REEL GEAR UNIT
B-023	621C536O10	○	E-4		IDLER UNIT
B-025	621C538O10	○	C-3		WORM PULLEY U
B-026	641B827O10	○	B-6		PHOTO UNIT
B-030	622D585O10	○	G-5		PHOTO GUIDE UN
B-031	622D586O10	○	B-3		PHOTO GUIDE UN
B-043	521D097O10	○	E-1		REEL BELT
B-044	288P159O10	○	F-2		CAPSTAN MOTOR
B-051	641B794O10	○	C-2		MODE GEAR
B-052	621C504O10	○	B-3		LOADING WORM
B-053	641B791O10	○	G-2		CAM GEAR(SP)
B-057	621C503O10	○	G-2		LOADING GEAR
B-059	621C502O10	○	F-2		LAMP LOADING G
B-060	641B792O10	○	D-1		CAM GEAR(TU)
B-061	641B793O10	○	B-3		F/L DRIVE GEAR
B-068	641B817O10	○	H-8		REC LEVER
B-070	641B838O10	○	G-6		TENSION LEVER
B-071	621C508O10	○	G-6		CONTROL WIND
B-072	621C506O10	○	B-5		REEL LOCK LEVE
B-074	621C494O10	○	E-4		SHIFT LEVER
B-075	621C493O10	○	E-3		PULLEY GEAR
B-076	621C492O10	○	E-3		BELT PULLEY
B-077	635C106O10		B-4		F/L DRIVE LEVER
B-080	641B819O10	○	E-4		CAPSTAN BRAKE
B-091	593C799O10	○	D-2		IDLER CENTER LE
B-097	592B365O10		I-5		MAIN PLATE SUPP
B-098	593C903O10		A-3		MODE HOLDER
B-102	572D835O10	○	G-3		CAM SPRING(C)
B-104	572D842O10	○	E-3		CAPSTAN BRAKE S
B-105	572D870O10	○	H-7		REC SPRING
B-108	572D865O10	○	E-3		SHIFT SPRING
B-156	593C825O10	○	H-3		LOADING ARM UN
B-157	593C826O10	○	H-3		LOADING ARM UN
B-158	621C537O10	○	F-3		CAM PLATE UNIT(
B-201	669D224O10		A-2	I-4	SCREW
B-205	669D224O50		C-3		SCREW
B-212	552C018O10	○	E-2	E-3	CUT WASHER



＊ Settled Service Parts

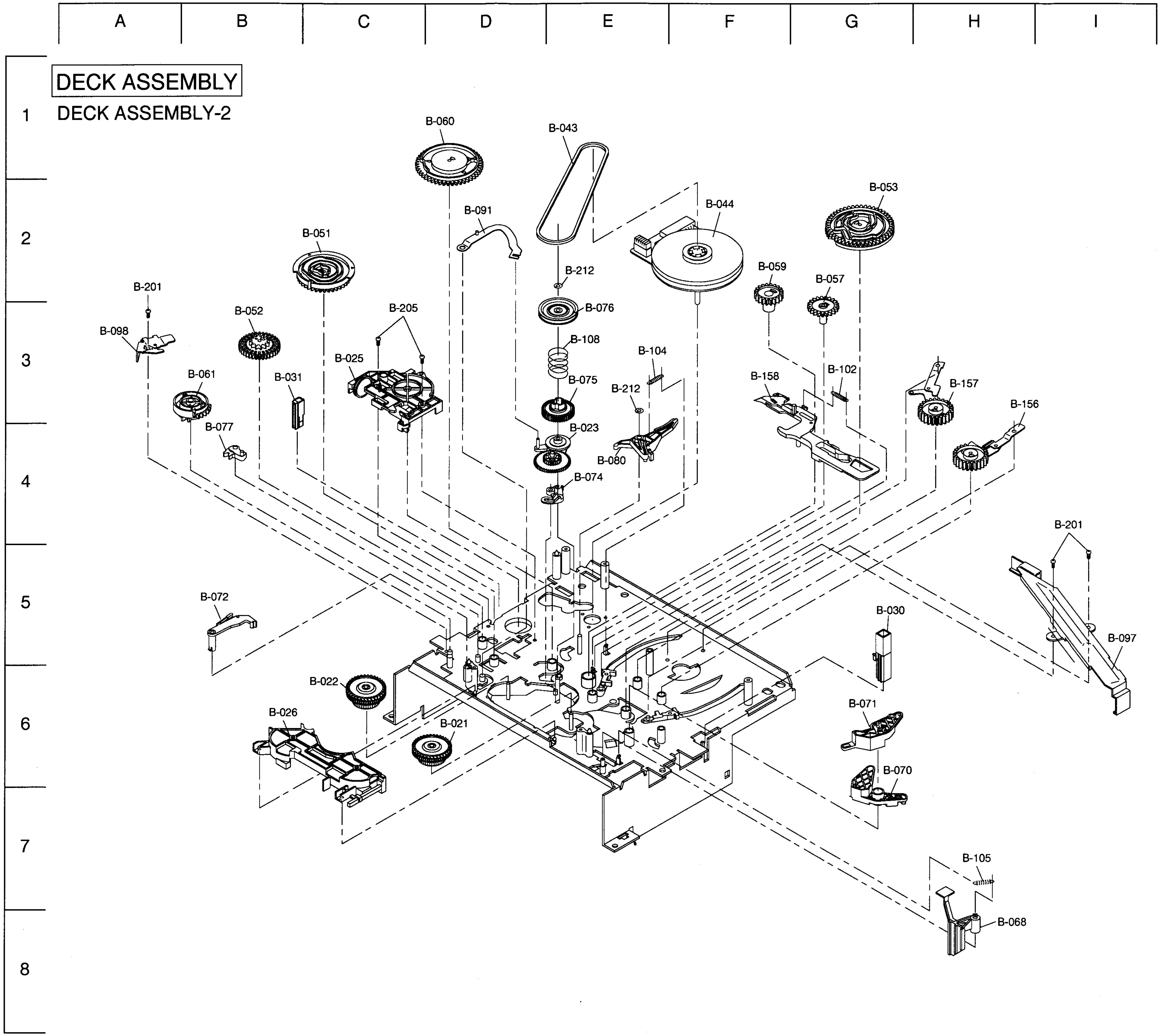
ITEM	PARTS NO.	＊	ADDRESS		PARTS NAME	DESCRIPTION	Qt.
B-021	641B805O50	○	D-6		REEL GEAR UNIT(SP)	SUPPLY	1
B-022	641B805O60	○	C-6		REEL GEAR UNIT(TU)	TAKE UP	1
B-023	621C536O10	○	E-4		IDLER UNIT		1
B-025	621C538O10	○	C-3		WORM PULLEY UNIT		1
B-026	641B827O10	○	B-6		PHOTO UNIT		1
B-030	622D585O10	○	G-5		PHOTO GUIDE UNIT(SP)	SUPPLY	1
B-031	622D586O10	○	B-3		PHOTO GUIDE UNIT(TU)	TAKE UP	1
B-043	521D097O10	○	E-1		REEL BELT		1
B-044	288P159O10	○	F-2		CAPSTAN MOTOR	F2QTB22	1
B-051	641B794O10	○	C-2		MODE GEAR		1
B-052	621C504O10	○	B-3		LOADING WORM GEAR		1
B-053	641B791O10	○	G-2		CAM GEAR(SP)	SUPPLY	1
B-057	621C503O10	○	G-2		LOADING GEAR		1
B-059	621C502O10	○	F-2		LAMP LOADING GEAR		1
B-060	641B792O10	○	D-1		CAM GEAR(TU)	TAKE UP	1
B-061	641B793O10	○	B-3		F/L DRIVE GEAR		1
B-068	641B817O10	○	H-8		REC LEVER		1
B-070	641B838O10	○	G-6		TENSION LEVER UNIT		1
B-071	621C508O10	○	G-6		CONTROL WIND LEVER		1
B-072	621C506O10	○	B-5		REEL LOCK LEVER		1
B-074	621C494O10	○	E-4		SHIFT LEVER		1
B-075	621C493O10	○	E-3		PULLEY GEAR		1
B-076	621C492O10	○	E-3		BELT PULLEY		1
B-077	635C106O10		B-4		F/L DRIVE LEVER		1
B-080	641B819O10	○	E-4		CAPSTAN BRAKE		1
B-091	593C799O10	○	D-2		IDLER CENTER LEVER		1
B-097	592B365O10		I-5		MAIN PLATE SUPPORT		1
B-098	593C903O10		A-3		MODE HOLDER		1
B-102	572D835O10	○	G-3		CAM SPRING(C)		1
B-104	572D842O10	○	E-3		CAPSTAN BRAKE SPRING		1
B-105	572D870O10	○	H-7		REC SPRING		1
B-108	572D865O10	○	E-3		SHIFT SPRING		1
B-156	593C825O10	○	H-3		LOADING ARM UNIT(SP)	SUPPLY	1
B-157	593C826O10	○	H-3		LOADING ARM UNIT(TU)	TAKE UP	1
B-158	621C537O10	○	F-3		CAM PLATE UNIT(C)		1
B-201	669D224O10		A-2	I-4	SCREW	2.6X6	3
B-205	669D224O50		C-3		SCREW	2.6X14	2
B-212	552C018O10	○	E-2	E-3	CUT WASHER	2.5X6.0X0.5	2

＊ Settled Service Parts

ITEM	PARTS NO.	＊	ADDRESS		PARTS NAME	DESCRIPTION	Qt.
G-011	635B092O10	○	C-1		TAPE GUIDE(SP)	SUPPLY	1
G-021	522B061O10	○	C-1		GUIDE ROLLER(SP)		1
G-031	669D506O90		D-1		SCREW	M2X0.4 L=4	1
Q-010	927B954O18	○	E-1		UPPER DRUM ASSY		1
Q-015	927B955O04	○	E-1		LOWER DRUM ASSY		1
Q-025	288P158O20	○	E-1		DRUM MOTOR	E20EL50	1
T-024	621C553O10		I-5		IMPEDANCE UNIT(SP)		1
T-025	597D568O10		H-5		FLYWHEEL(SP)		1
T-026	592B345O10		G-2		DRUM CLAMPER		1
T-028	669D224O10		F-2	G-1	SCREW	2.6X6	3
T-029	622D598O10		I-2		CLEANING ROLLER UNIT		1

DECK ASSEMBLY

DECK ASSEMBLY-2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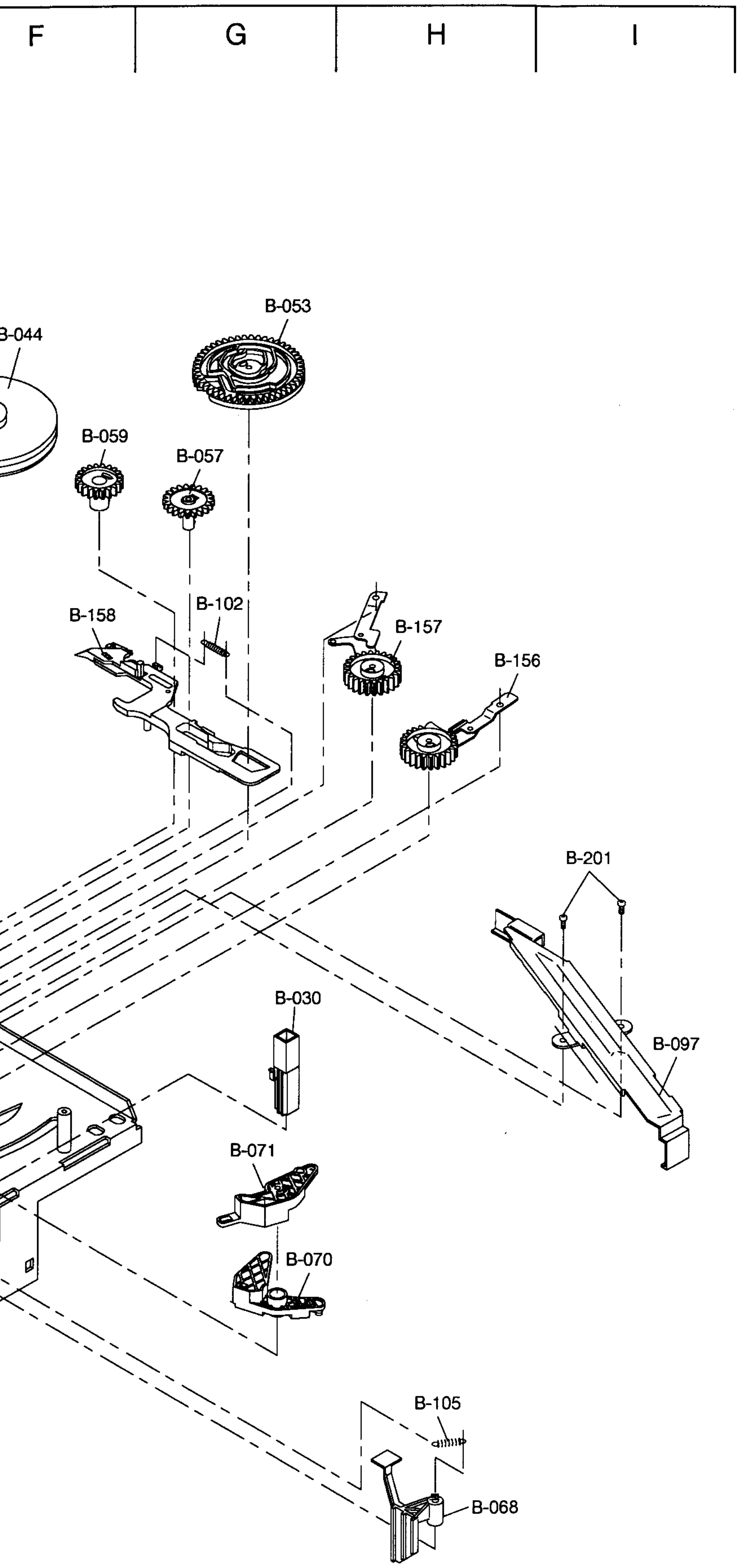
∗ Settled Service Parts

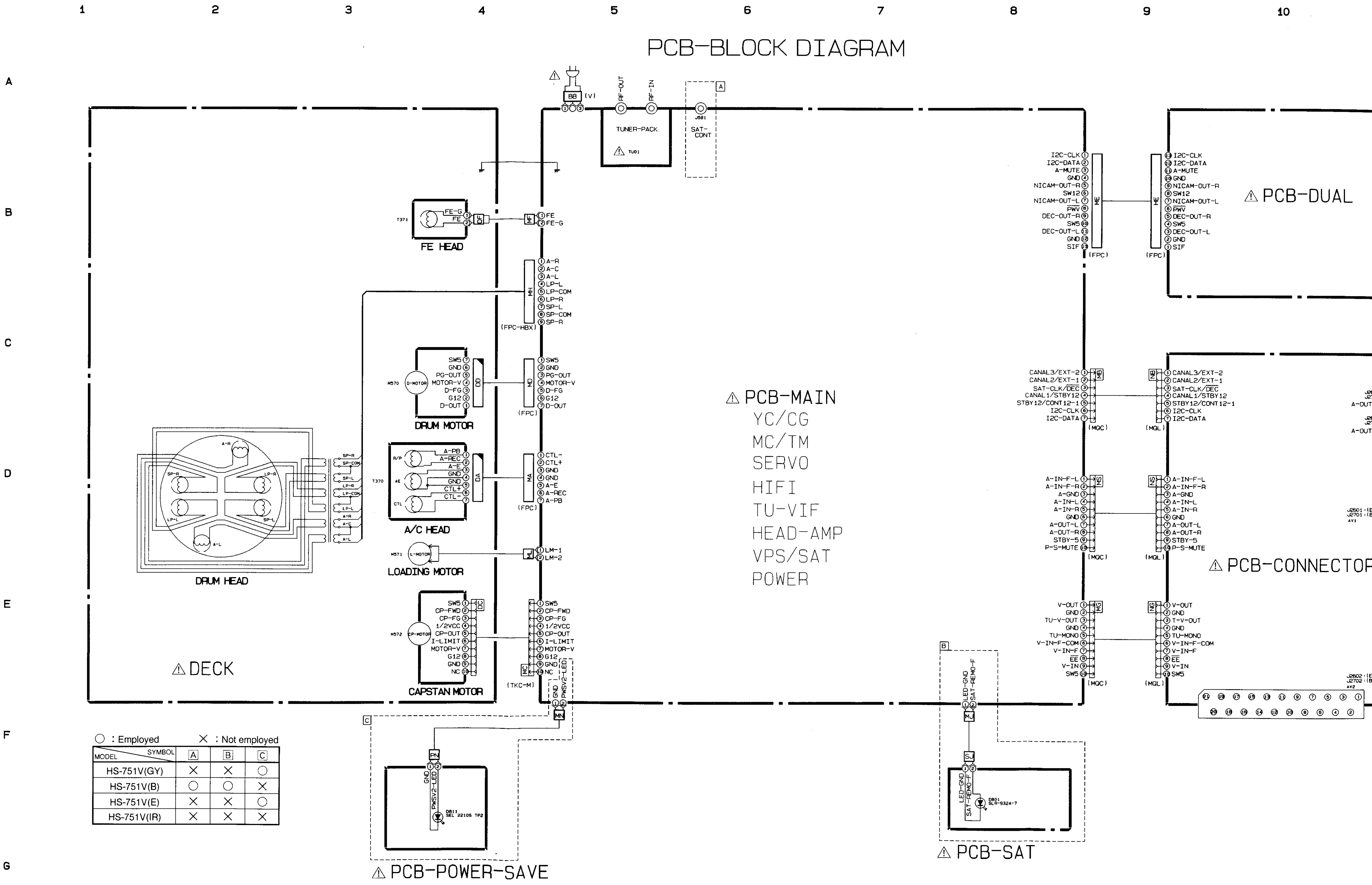
ITEM	PARTS NO.	∗	ADDRESS		PARTS NAM
B-021	641B805O10	○	D-6		REEL GEAR UNIT(
B-022	641B805O20	○	C-6		REEL GEAR UNIT(
B-023	621C536O10	○	E-4		IDLER UNIT
B-025	621C538O10	○	C-3		WORM PULLEY U
B-026	641B827O10	○	B-6		PHOTO UNIT
B-030	622D585O10	○	G-5		PHOTO GUIDE UN
B-031	622D586O10	○	B-3		PHOTO GUIDE UN
B-043	521D097O10	○	E-1		REEL BELT
B-044	288P159O10	○	F-2		CAPSTAN MOTOR
B-051	641B794O10	○	C-2		MODE GEAR
B-052	621C504O10	○	B-3		LOADING WORM
B-053	641B791O10	○	G-2		CAM GEAR(SP)
B-057	621C503O10	○	G-2		LOADING GEAR
B-059	621C502O10	○	F-2		LAMP LOADING G
B-060	641B792O10	○	D-1		CAM GEAR(TU)
B-061	641B793O10	○	B-3		F/L DRIVE GEAR
B-068	641B817O10	○	H-8		REC LEVER
B-070	641B838O10	○	G-6		TENSION LEVER
B-071	621C508O10	○	G-6		CONTROL WIND L
B-072	621C506O10	○	B-5		REEL LOCK LEVE
B-074	621C494O10	○	E-4		SHIFT LEVER
B-075	621C493O10	○	E-3		PULLEY GEAR
B-076	621C492O10	○	E-3		BELT PULLEY
B-077	635C106O10		B-4		F/L DRIVE LEVER
B-080	641B819O10	○	E-4		CAPSTAN BRAKE
B-091	593C799O10	○	D-2		IDLER CENTER L
B-097	592B365O10		I-5		MAIN PLATE SUP
B-098	593C903O10		A-3		MODE HOLDER
B-102	572D835O10	○	G-3		CAM SPRING(C)
B-104	572D842O10	○	E-3		CAPSTAN BRAKE
B-105	572D870O10	○	H-7		REC SPRING
B-108	572D865O10	○	E-3		SHIFT SPRING
B-156	593C825O10	○	H-3		LOADING ARM UN
B-157	593C826O10	○	H-3		LOADING ARM UN
B-158	621C537O10	○	F-3		CAM PLATE UNIT(
B-201	669D224O10		A-2	I-4	SCREW
B-205	669D224O50		C-3		SCREW
B-212	552C018O10	○	E-2	E-3	CUT WASHER



* Settled Service Parts

ITEM	PARTS NO.	*	ADDRESS		PARTS NAME	DESCRIPTION	Qt.
B-021	641B805O10	○	D-6		REEL GEAR UNIT(SP)	SUPPLY	1
B-022	641B805O20	○	C-6		REEL GEAR UNIT(TU)	TAKE UP	1
B-023	621C536O10	○	E-4		IDLER UNIT		1
B-025	621C538O10	○	C-3		WORM PULLEY UNIT		1
B-026	641B827O10	○	B-6		PHOTO UNIT		1
B-030	622D585O10	○	G-5		PHOTO GUIDE UNIT(SP)	SUPPLY	1
B-031	622D586O10	○	B-3		PHOTO GUIDE UNIT(TU)	TAKE UP	1
B-043	521D097O10	○	E-1		REEL BELT		1
B-044	288P159O10	○	F-2		CAPSTAN MOTOR	F2QTB22	1
B-051	641B794O10	○	C-2		MODE GEAR		1
B-052	621C504O10	○	B-3		LOADING WORM GEAR		1
B-053	641B791O10	○	G-2		CAM GEAR(SP)	SUPPLY	1
B-057	621C503O10	○	G-2		LOADING GEAR		1
B-059	621C502O10	○	F-2		LAMP LOADING GEAR		1
B-060	641B792O10	○	D-1		CAM GEAR(TU)	TAKE UP	1
B-061	641B793O10	○	B-3		F/L DRIVE GEAR		1
B-068	641B817O10	○	H-8		REC LEVER		1
B-070	641B838O10	○	G-6		TENSION LEVER UNIT		1
B-071	621C508O10	○	G-6		CONTROL WIND LEVER		1
B-072	621C506O10	○	B-5		REEL LOCK LEVER		1
B-074	621C494O10	○	E-4		SHIFT LEVER		1
B-075	621C493O10	○	E-3		PULLEY GEAR		1
B-076	621C492O10	○	E-3		BELT PULLEY		1
B-077	635C106O10		B-4		F/L DRIVE LEVER		1
B-080	641B819O10	○	E-4		CAPSTAN BRAKE		1
B-091	593C799O10	○	D-2		IDLER CENTER LEVER		1
B-097	592B365O10		I-5		MAIN PLATE SUPPORT		1
B-098	593C903O10		A-3		MODE HOLDER		1
B-102	572D835O10	○	G-3		CAM SPRING(C)		1
B-104	572D842O10	○	E-3		CAPSTAN BRAKE SPRING		1
B-105	572D870O10	○	H-7		REC SPRING		1
B-108	572D865O10	○	E-3		SHIFT SPRING		1
B-156	593C825O10	○	H-3		LOADING ARM UNIT(SP)	SUPPLY	1
B-157	593C826O10	○	H-3		LOADING ARM UNIT(TU)	TAKE UP	1
B-158	621C537O10	○	F-3		CAM PLATE UNIT(C)		1
B-201	669D224O10		A-2	I-4	SCREW	2.6X6	3
B-205	669D224O50		C-3		SCREW	2.6X14	2
B-212	552C018O10	○	E-2	E-3	CUT WASHER	2.5X6.0X0.5	2

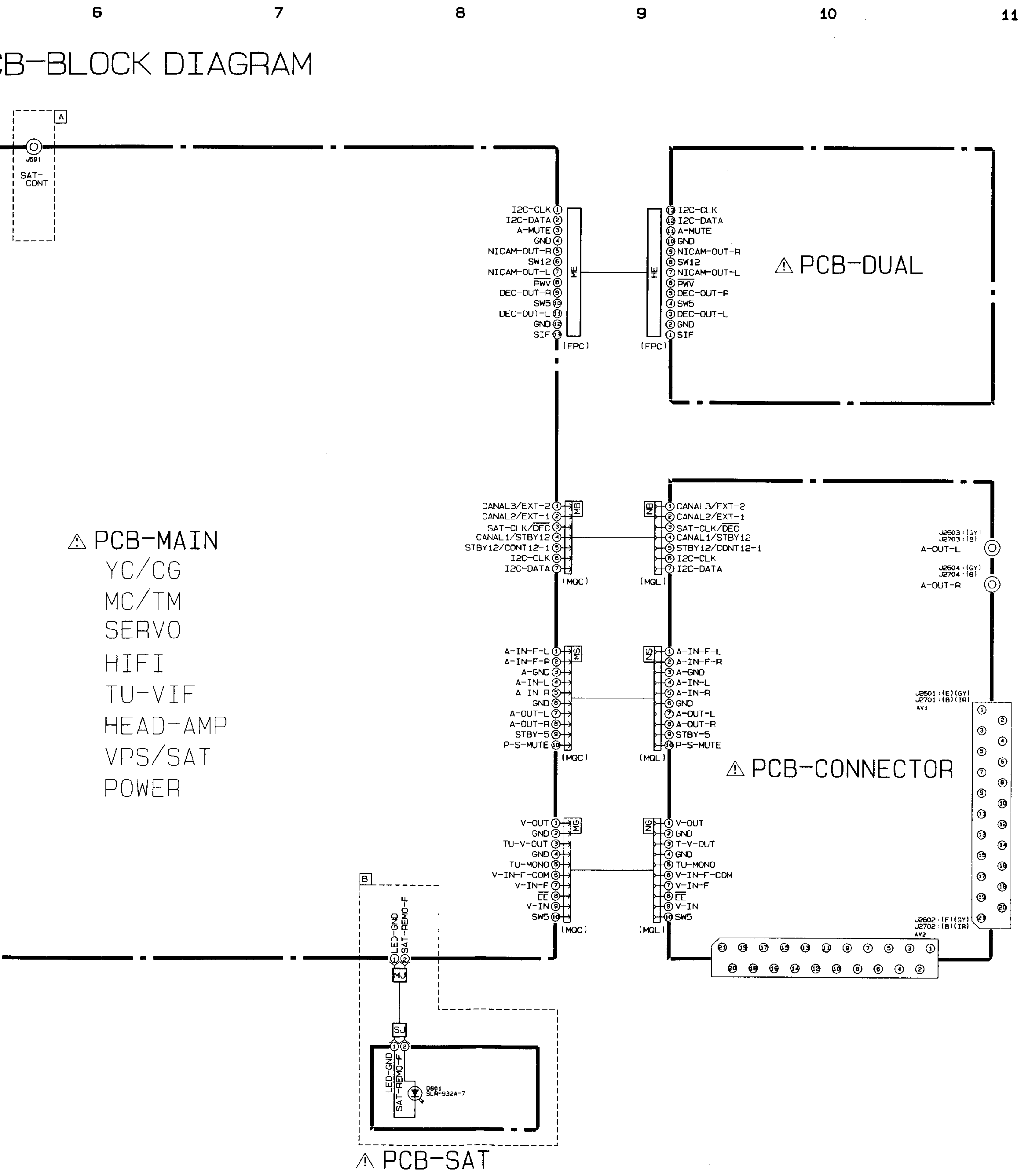
PCB-BLOCK DIAGRAM


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
BB (V)
RF-OUT
RF-IN
TUNER-PACK
TU01
J581
SAT-CONT
A
⚠ DECK
T371
FE-G
FE
DF
MF
① FE
② FE-G
FE HEAD
MH
(FPC-HBX)
① A-R
② A-C
③ A-L
④ LP-L
⑤ LP-COM
⑥ LP-R
⑦ SP-L
⑧ SP-COM
⑨ SP-R
M570
D-MOTOR
SW5 ⑦
GND ⑥
PG-OUT ⑤
MOTOR-V ④
D-FG ③
G12 ②
D-OUT ①
DD
MD
(FPC)
① SW5
② GND
③ PG-OUT
④ MOTOR-V
⑤ D-FG
⑥ G12
⑦ D-OUT
DRUM MOTOR
A-R
SP-R
LP-R
LP-L
SP-L
A-L
SP-R
SP-COM
SP-L
LP-R
LP-COM
LP-L
A-R
A-C
A-L
DRUM HEAD
T370
R/P
AE
CTL
A-PB ①
A-REC ②
A-E ③
GND ④
GND ⑤
CTL+ ⑥
CTL- ⑦
DA
MA
(FPC)
① CTL-
② CTL+
③ GND
④ GND
⑤ A-E
⑥ A-REC
⑦ A-PB
A/C HEAD
M571
L-MOTOR
ML
① LM-1
② LM-2
LOADING MOTOR
M572
CP-MOTOR
SW5 ①
CP-FWD ②
CP-FG ③
1/2VCC ④
CP-OUT ⑤
I-LIMIT ⑥
MOTOR-V ⑦
G12 ⑧
GND ⑨
NC ⑩
DC
MC
(TKC-M)
① SW5
② CP-FWD
③ CP-FG
④ 1/2VCC
⑤ CP-OUT
⑥ I-LIMIT
⑦ MOTOR-V
⑧ G12
⑨ GND
⑩ NC
CAPSTAN MOTOR
GND
PWSV2-LED
MN
C
PN
GND
PWSV2-LED
D811
SEL 22105 TP2
⚠ PCB-POWER-SAVE
⚠ PCB-MAIN
YC/CG
MC/TM
SERVO
HIFI
TU-VIF
HEAD-AMP
VPS/SAT
POWER
B
LED-GND
SAT-REMO-F
MJ
SJ
LED-GND
SAT-REMO-F
D801
SLR-932A-7
⚠ PCB-SAT
I2C-CLK ①
I2C-DATA ②
A-MUTE ③
GND ④
NICAM-OUT-R ⑤
SW12 ⑥
NICAM-OUT-L ⑦
PWV ⑧
DEC-OUT-R ⑨
SW5 ⑩
DEC-OUT-L ⑪
GND ⑫
SIF ⑬
ME
(FPC)
HE
(FPC)
⑬ I2C-CLK
⑫ I2C-DATA
⑪ A-MUTE
⑩ GND
⑨ NICAM-OUT-R
⑧ SW12
⑦ NICAM-OUT-L
⑥ PWV
⑤ DEC-OUT-R
④ SW5
③ DEC-OUT-L
② GND
① SIF
⚠ PCB-DUAL
CANAL3/EXT-2 ①
CANAL2/EXT-1 ②
SAT-CLK/DEC ③
CANAL1/STBY12 ④
STBY12/CONT12-1 ⑤
I2C-CLK ⑥
I2C-DATA ⑦
MB
(MQC)
NB
(MQL)
① CANAL3/EXT-2
② CANAL2/EXT-1
③ SAT-CLK/DEC
④ CANAL1/STBY12
⑤ STBY12/CONT12-1
⑥ I2C-CLK
⑦ I2C-DATA
A-OUT
A-OUT
A-IN-F-L ①
A-IN-F-R ②
A-GND ③
A-IN-L ④
A-IN-R ⑤
GND ⑥
A-OUT-L ⑦
A-OUT-R ⑧
STBY-5 ⑨
P-S-MUTE ⑩
MS
(MQC)
NS
(MQL)
① A-IN-F-L
② A-IN-F-R
③ A-GND
④ A-IN-L
⑤ A-IN-R
⑥ GND
⑦ A-OUT-L
⑧ A-OUT-R
⑨ STBY-5
⑩ P-S-MUTE
J2601
J2701
AV1
⚠ PCB-CONNECTOR
V-OUT ①
GND ②
TU-V-OUT ③
GND ④
TU-MONO ⑤
V-IN-F-COM ⑥
V-IN-F ⑦
EE ⑧
V-IN ⑨
SW5 ⑩
MG
(MQC)
NG
(MQL)
① V-OUT
② GND
③ T-V-OUT
④ GND
⑤ TU-MONO
⑥ V-IN-F-COM
⑦ V-IN-F
⑧ EE
⑨ V-IN
⑩ SW5
J2602
J2702
AV2
㉑ ⑲ ⑰ ⑮ ⑬ ⑪ ⑨ ⑦ ⑤ ③ ①
⑳ ⑱ ⑯ ⑭ ⑫ ⑩ ⑧ ⑥ ④ ②

○ : Employed ✕ : Not employed

MODEL \ SYMBOL	A	B	C
HS-751V(GY)	✕	✕	○
HS-751V(B)	○	○	✕
HS-751V(E)	✕	✕	○
HS-751V(IR)	✕	✕	✕

B–BLOCK DIAGRAM


6
7
8
9
10
11
A
J591
SAT-CONT
I2C-CLK ①
I2C-DATA ②
A-MUTE ③
GND ④
NICAM-OUT-R ⑤
SW12 ⑥
NICAM-OUT-L ⑦
PWV ⑧
DEC-OUT-R ⑨
SW5 ⑩
DEC-OUT-L ⑪
GND ⑫
SIF ⑬
ME
(FPC)
HE
(FPC)
⑬ I2C-CLK
⑫ I2C-DATA
⑪ A-MUTE
⑩ GND
⑨ NICAM-OUT-R
⑧ SW12
⑦ NICAM-OUT-L
⑥ PWV
⑤ DEC-OUT-R
④ SW5
③ DEC-OUT-L
② GND
① SIF
⚠ PCB-DUAL
⚠ PCB-MAIN
YC/CG
MC/TM
SERVO
HIFI
TU-VIF
HEAD-AMP
VPS/SAT
POWER
CANAL3/EXT-2 ①
CANAL2/EXT-1 ②
SAT-CLK/DEC ③
CANAL1/STBY12 ④
STBY12/CONT12-1 ⑤
I2C-CLK ⑥
I2C-DATA ⑦
MB
(MQC)
NB
(MQL)
① CANAL3/EXT-2
② CANAL2/EXT-1
③ SAT-CLK/DEC
④ CANAL1/STBY12
⑤ STBY12/CONT12-1
⑥ I2C-CLK
⑦ I2C-DATA
J2603 : (GY)
J2703 : (B)
A-OUT-L
J2604 : (GY)
J2704 : (B)
A-OUT-R
A-IN-F-L ①
A-IN-F-R ②
A-GND ③
A-IN-L ④
A-IN-R ⑤
GND ⑥
A-OUT-L ⑦
A-OUT-R ⑧
STBY-5 ⑨
P-S-MUTE ⑩
MS
(MQC)
NS
(MQL)
① A-IN-F-L
② A-IN-F-R
③ A-GND
④ A-IN-L
⑤ A-IN-R
⑥ GND
⑦ A-OUT-L
⑧ A-OUT-R
⑨ STBY-5
⑩ P-S-MUTE
J2601 : (E)(GY)
J2701 : (B)(IR)
AV1
⚠ PCB-CONNECTOR
V-OUT ①
GND ②
TU-V-OUT ③
GND ④
TU-MONO ⑤
V-IN-F-COM ⑥
V-IN-F ⑦
EE ⑧
V-IN ⑨
SW5 ⑩
MG
(MQC)
NG
(MQL)
① V-OUT
② GND
③ T-V-OUT
④ GND
⑤ TU-MONO
⑥ V-IN-F-COM
⑦ V-IN-F
⑧ EE
⑨ V-IN
⑩ SW5
J2602 : (E)(GY)
J2702 : (B)(IR)
AV2
B
LED-GND
SAT-REMO-F
MJ
SJ
D801
SLR-932A-7
⚠ PCB-SAT

	CONTENTS
①	PCB-BLOCK DIAGRAM
②	PCB-MAIN (TU-VIF) (HEAD-AMP)
③	PCB-CONNECTOR
④	PCB-DUAL PCB-MAIN (HIFI)
⑤	PCB-MAIN (YC/CG)
⑥	PCB-MAIN (MC/TM) PCB-SAT PCB-POWER-SAVE TRANSMITTER REMOTE CONTROLLER
⑦	PCB-MAIN (SERVO) (VPS/SAT)
⑧	PCB-MAIN (POWER)
⑨ ∫ ⑪	PATTERN

⚠

SERVICING PRECAUTION

SYMBOLS INDICATE COMPONENTS HAVING SPECIAL CHARACTERISTICS IMPORTANT TO SAFETY AND PERFORMANCE. THEREFOR REPLACEMENT OF ANY SAFETY PARTS SHOULD BE IDENTICAL IN VALUE AND CHARACTERISTICS.

DON'T DEGRADE THE SAFETY OF THE VCR THROUGH IMPROPER SERVICING.

SCHEMATIC DIAGRAM

• NOTE

1. Each voltage should be within ±20% of the DC voltages measured with a digital voltmeter.
2. The voltages parenthesised are on SP recording mode. While those without parenthesised on SP play back mode.
3. Waveforme were taken with standard colour bar signal.
4. TP6A, etc. show Test Points.

5. CAPACITORS

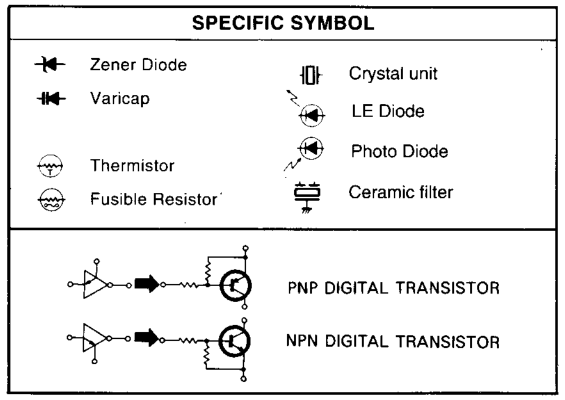
Value	Not indicated		PF, for numbers more than 1 μF, for numbers less than 1
Dielectric Strength	Not indicated :50V		
Tolerance	Not indicated =±10%		No Tolerance is indicated for electrolytic capacitors and ±20%
	G=±2% J =±5% K =±10% M=±20%	P =+100% −0% Z =+80% −20%	Q=+30% −10% T =+200% −0% C =±0.25PF D =±0.5PF F =±1PF G=±2PF
Sort	I	Parts except for chips	Not indicated : Ceramic capacitor (MF) : Polyester capacitor (PP) : Polypropylene film capacitor (ALM) : Aluminus electrolytic capacitor (TF) : Twin film capacitor (SC) : Semiconductor ceramic capacitor (MP) : Metalized paper (MPP) : Metalized plastic film capacitor (MMF) : Metalized polyester capacitor (MF.PP) : Polyester polypropylene film capacitor (PS) : Styrol capacitor (TAN)or(TANT) : Tantalum capacitor —╫— : Electrolytic capacitor (BP)or(NP) : Non polarized electrolytic capacitor
	II	Chips	Not indicated : Ceramic capacitor chip —╫— : Electrolytic capacitor (BP)or(NP) : Non polarized electrolytic capacitor chip
Characteristic (only ceramic capacitor)	Not indicated : F or B(high dielectric percentage) CH,SL,etc. : Temperature compensating types		

6. Resistors

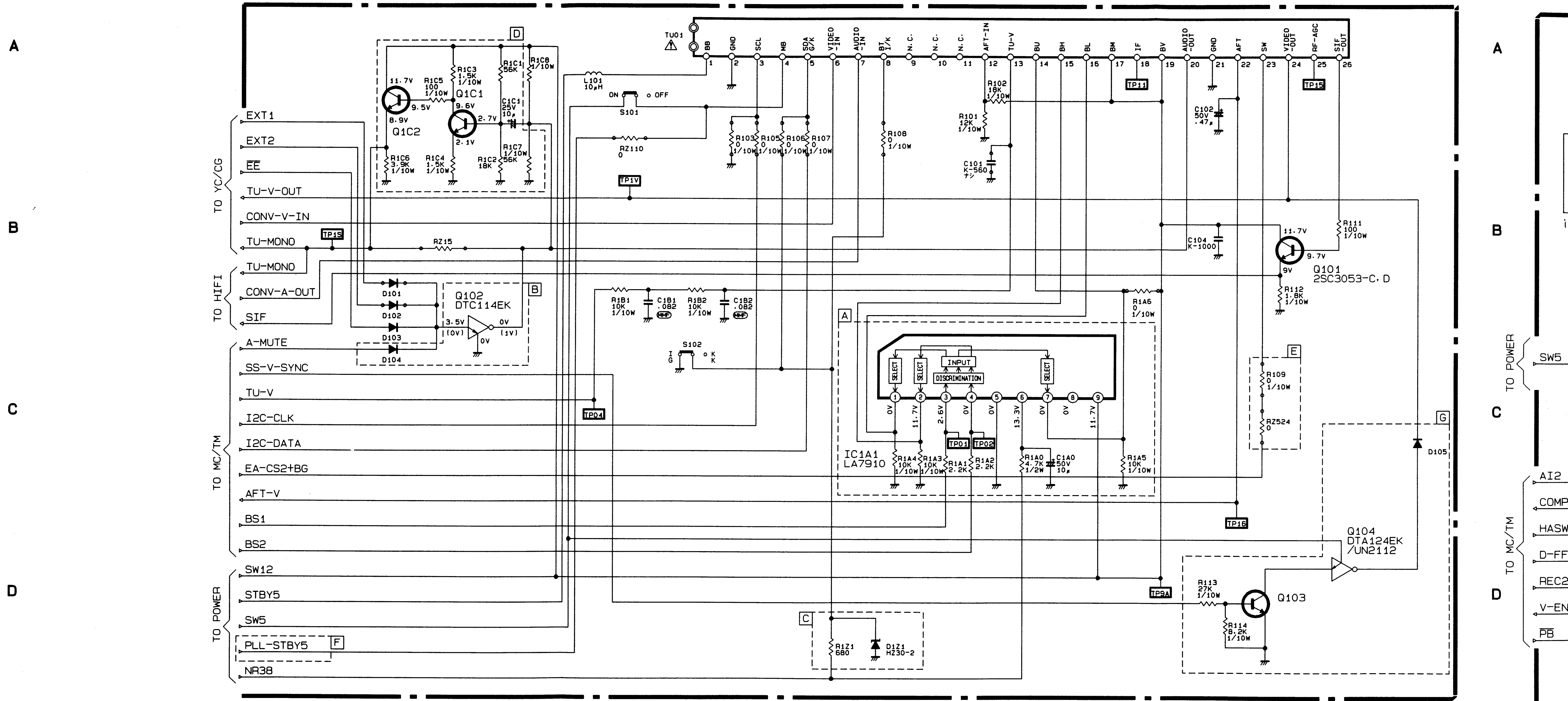
Value	Not indicated = Ω K = kΩ(1000Ω) M = MΩ(1000kΩ)		
Wattage	Parts except for chips		Not indicated = 1/4W or 1/6W
	Chips		Not indicated = 1/10W
Tolerance	Not indicated =±5% D =±0.5% J =±5% F =±1% K=±10%		
Short	I	Parts except for chips	Not indicated : Carbon resistor (S) : Fixed composition resistor (MB) : Metal oxide film resistor(type B) (CE) : Cemented resister (W) : Wire wound resister (M) : Metal film resister (MPC) : Metal plate cement resister (ML) : Metal liner resister
	II	Chip	Not indicated : Chip resistor

7. This is a basic schematic diagram. Some sets may be subject to modification according to engineering improvement.

SPECIFIC SYMBOL


Zener Diode
Varicap
Thermistor
Fusible Resistor
Crystal unit
LE Diode
Photo Diode
Ceramic filter
PNP DIGITAL TRANSISTOR
NPN DIGITAL TRANSISTOR

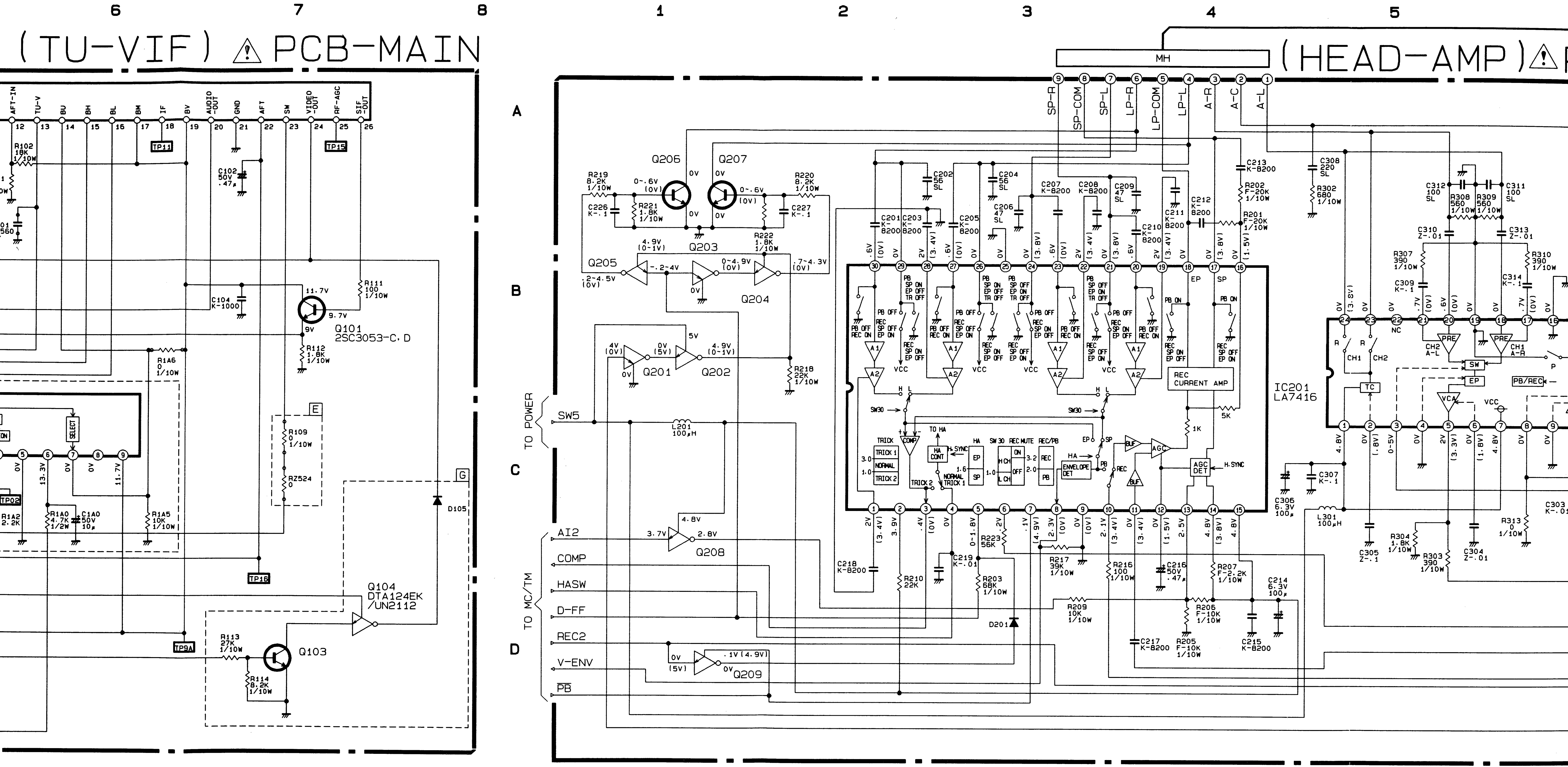
(TU-VIF) ⚠ PCB-MAIN


1
2
3
4
5
6
7
8
A
B
C
D
E
TU01
BB
GND
SCL
MB
SDA G/K
VIDEO -IN
AUDIO -IN
BT I/K
N.C.
AFT-IN
TU-V
BU
BH
BL
BM
IF
BV
AUDIO -OUT
AFT
SW
VIDEO -OUT
RF-AGC
SIF -OUT
TO YC/CG
EXT1
EXT2
EE
TU-V-OUT
CONV-V-IN
TU-MONO
TO HIFI
TU-MONO
CONV-A-OUT
SIF
TO MC/TM
A-MUTE
SS-V-SYNC
TU-V
I2C-CLK
I2C-DATA
EA-CS2+BG
AFT-V
BS1
BS2
TO POWER
SW12
STBY5
SW5
PLL-STBY5
NR38
Q1C2
Q1C1
R1C5 100 1/10W
R1C3 1.5K 1/10W
R1C1 56K
R1C8 1/10W
C1C1 25V 10μ
R1C6 3.9K 1/10W
R1C4 1.5K 1/10W
R1C2 18K
R1C7 1/10W 56K
11.7V
9.5V
8.9V
9.6V
2.7V
2.1V
L101 10μH
S101
ON
OFF
RZ110 0
TP1V
TP1S
RZ15
D101
D102
D103
D104
Q102 DTC114EK
3.5V
(0V)
0V
(1V)
R1B1 10K 1/10W
C1B1 .082
R1B2 10K 1/10W
C1B2 .082
S102
I G
K K
TP04
R103 0 1/10W
R105 0 1/10W
R106 0 1/10W
R107 0 1/10W
R108 0 1/10W
R102 18K 1/10W
R101 12K 1/10W
C101 K-560
TP11
TP15
C102 50V .47μ
C104 K-1000
Q101 2SC3053-C.D
11.7V
9.7V
9V
R111 100 1/10W
R112 1.8K 1/10W
R1A6 0 1/10W
IC1A1 LA7910
SELECT
INPUT
DISCRIMINATION
0V
11.7V
2.6V
13.3V
TP01
TP02
R1A4 10K 1/10W
R1A3 10K 1/10W
R1A1 2.2K
R1A2 2.2K
R1A0 4.7K 1/2W
C1A0 50V 10μ
R1A5 10K 1/10W
R109 0 1/10W
RZ524 0
D105
TP16
Q104 DTA124EK /UN2112
Q103
TP9A
R113 27K 1/10W
R114 8.2K 1/10W
R1Z1 680
D1Z1 HZ30-2
SW5
AI2
COMP
HASW
D-FF
REC2
V-EN
PB

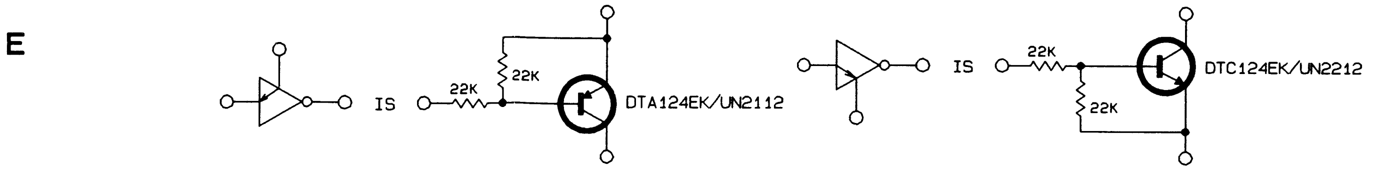
All NPN transistors are 2SC3052-E.F unless otherwise specifed
All diodes are 1SS252/1SS1310M unless otherwise specifed

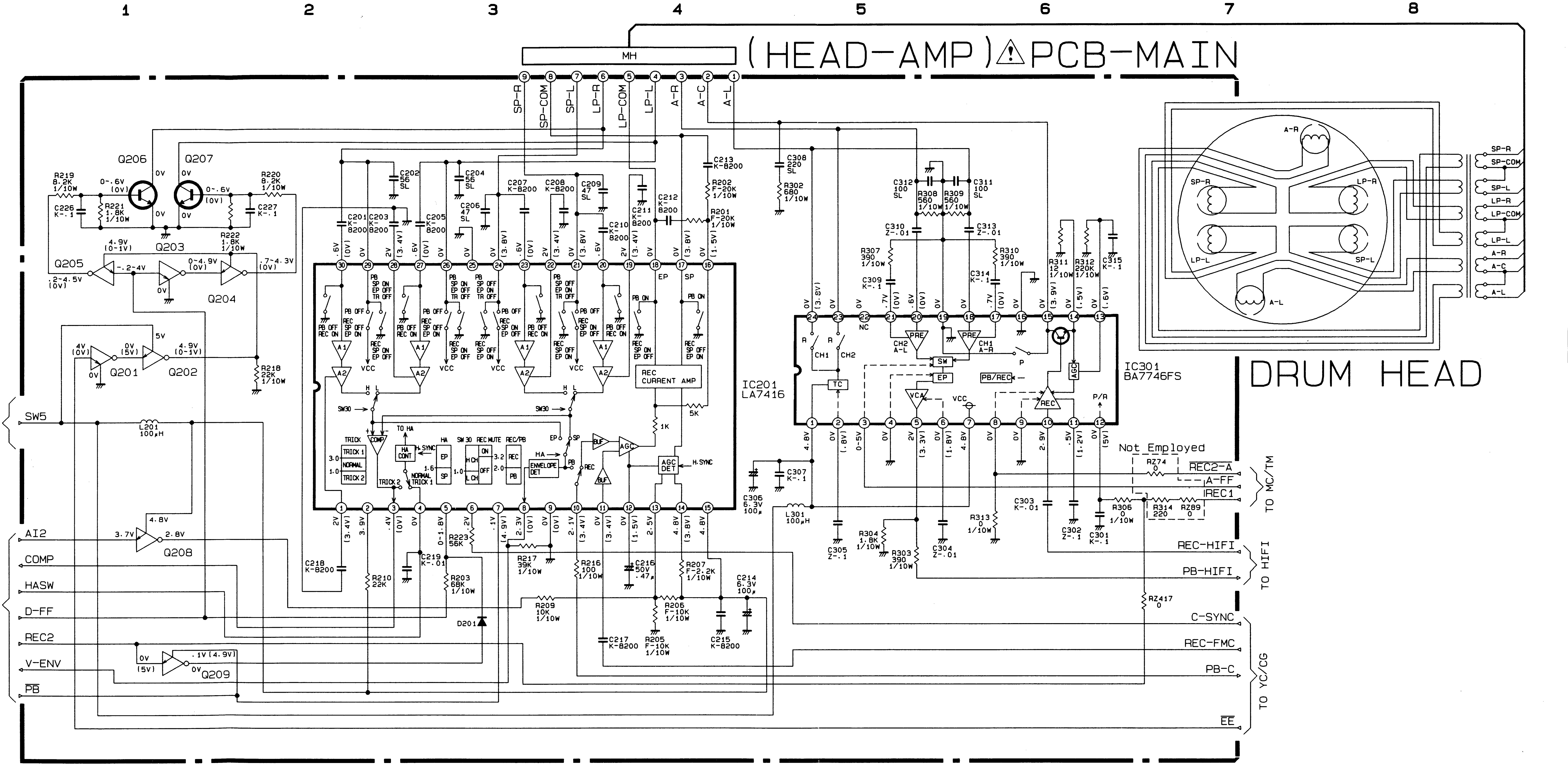
○ : Employed × : Not Employed

SYMBOL	A	B	C	D	E	F	G	R103	R105	R106	R107	R108	R1A6	R1C8	RZ15	RZ110	S101	S102	D101	D102
ADDRESS	C-5	C-3	D-5	A-3	B-7	C-5	C-8	A-4	A-4	A-4	A-4	A-5	B-6	A-3	B-2	A-4	C-4	C-4	C-2	C-2
HS-751V(E)/V(GY)	○	○	×	○	×	×	×	×	×	×	×	×	×	560K	×	×	○	×	×	×
HS-751V(B)	×	○	○	×	×	○	×	×	○	×	○	○	○	330K	○	○	×	×	×	×
HS-751V(IR)	○	○	×	×	×	×	×	×	×	×	×	×	×	330K	○	×	○	×	×	×


6
7
8
1
2
3
4
5
(TU-VIF) PCB-MAIN
(HEAD-AMP)
MH
A
B
C
D
AFT-IN
TU-V
BU
BH
BL
BM
IF
BV
AUDIO-OUT
GND
AFT
SW
VIDEO-OUT
RF-AGC
SIF-OUT
TP11
TP15
TP16
TP9A
TP02
R102 18K 1/10W
C102 50V .47μ
C104 K-1000
R111 100 1/10W
Q101 2SC3053-C, D
R112 1.8K 1/10W
R1A6 0 1/10W
SELECT
R109 0 1/10W
RZ524 0
E
G
D105
R1A0 4.7K 1/2W
C1A0 50V 10μ
R1A2 2.2K
R1A5 10K 1/10W
Q104 DTA124EK /UN2112
R113 27K 1/10W
R114 8.2K 1/10W
Q103
SP-R
SP-COM
SP-L
LP-R
LP-COM
LP-L
A-R
A-C
A-L
Q206
Q207
R219 8.2K 1/10W
R221 1.8K 1/10W
C226 K-.1
R220 8.2K 1/10W
C227 K-.1
R222 1.8K 1/10W
Q205
Q203
Q204
Q201
Q202
R218 22K 1/10W
TO POWER
SW5
L201 100μH
TO MC/TM
AI2
COMP
HASW
D-FF
REC2
V-ENV
PB
Q208
Q209
C202 56 SL
C204 56 SL
C206 47 SL
C207 K-8200
C208 K-8200
C209 47 SL
C201 K-8200
C203 K-8200
C205 K-8200
C210 K-8200
C211 K-8200
C212 K-8200
C213 K-8200
R202 F-20K 1/10W
R201 F-20K 1/10W
IC201 LA7416
REC CURRENT AMP
TRICK
TRICK 1
NORMAL
TRICK 2
HA CONT
ENVELOPE DET
AGC DET
H.SYNC
BUF
AGC
SW30
C218 K-8200
R210 22K
C219 K-.01
R223 56K
R203 68K 1/10W
D201
R217 39K 1/10W
R216 100 1/10W
C216 50V .47μ
R207 F-2.2K 1/10W
R209 10K 1/10W
R206 F-10K 1/10W
R205 F-10K 1/10W
C217 K-8200
C215 K-8200
C214 6.3V 100μ
C308 220 SL
R302 680 1/10W
C312 100 SL
C311 100 SL
R308 560 1/10W
R309 560 1/10W
C310 Z-.01
C313 Z-.01
R307 390 1/10W
R310 390 1/10W
C309 K-.1
C314 K-.1
CH1
CH2
NC
PRE
SW
EP
TC
VCA
PB/REC
C306 6.3V 100μ
C307 K-.1
L301 100μH
C305 Z-.1
R304 1.8K 1/10W
R303 390 1/10W
C304 Z-.01
R313 0 1/10W
C303 K-.0

All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3053-C, D unless otherwise specified.
All PNP transistors are 2SA1235-E, F unless otherwise specified.


E
IS
22K
22K
DTA124EK/UN2112
IS
22K
22K
DTC124EK/UN2212


1
2
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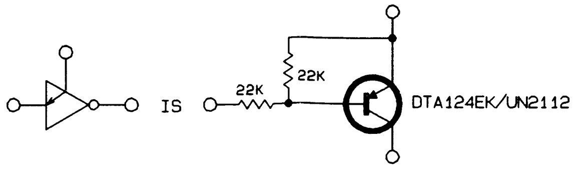
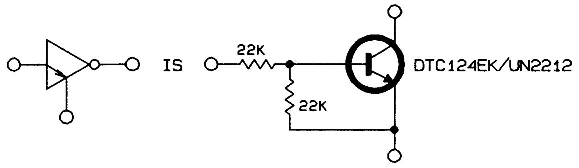
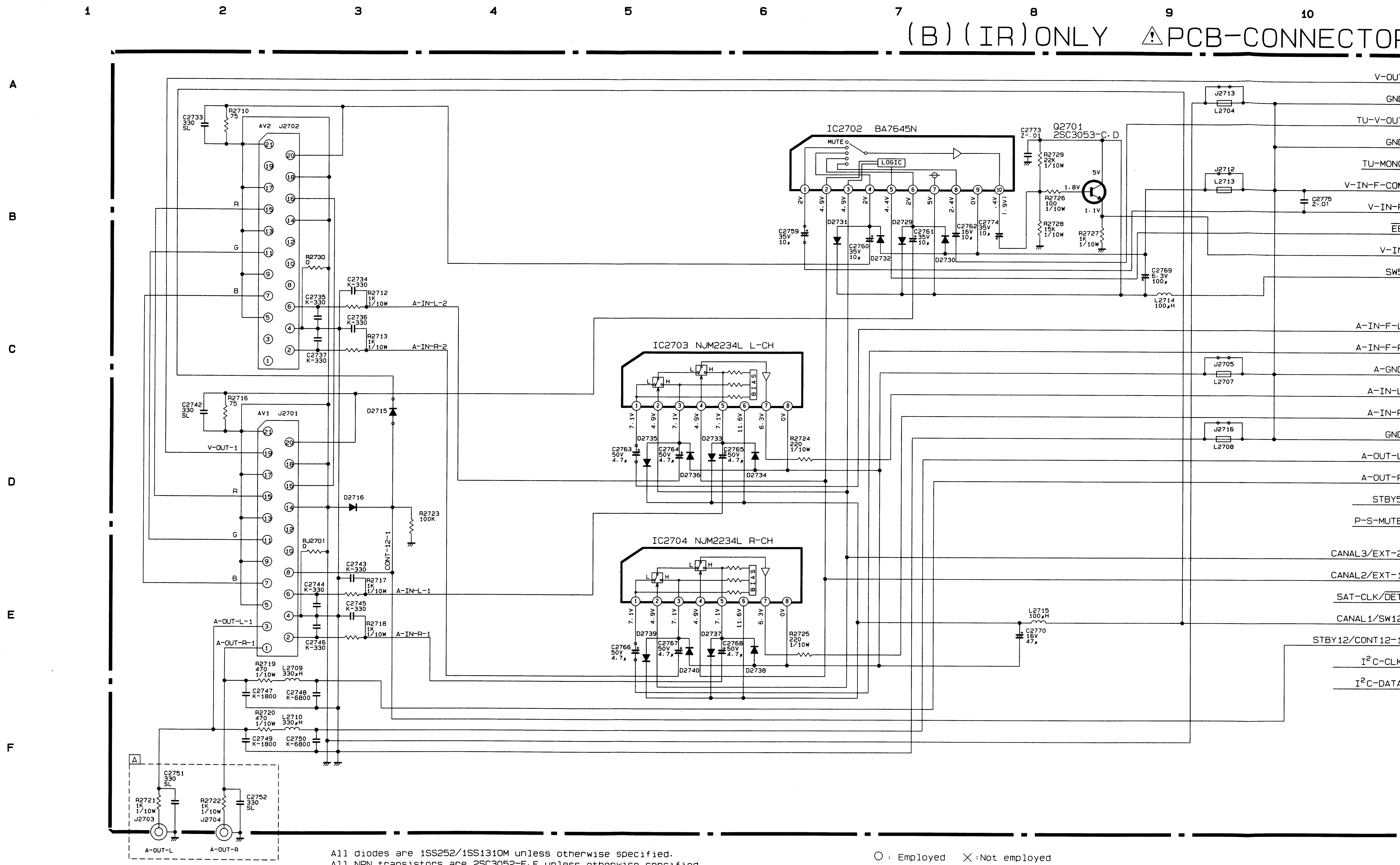
7
8
(HEAD-AMP) ⚠PCB-MAIN
MH
SP-R
SP-COM
SP-L
LP-R
LP-COM
LP-L
A-R
A-C
A-L
DRUM HEAD
IC201
LA7416
IC301
BA7746FS
Q201
Q202
Q203
Q204
Q205
Q206
Q207
Q208
Q209
R219 8.2K 1/10W
R220 8.2K 1/10W
R221 1.8K 1/10W
R222 1.8K 1/10W
C226 K-.1
C227 K-.1
R218 22K 1/10W
L201 100μH
C201 K-8200
C202 56 SL
C203 K-8200
C204 56 SL
C205 K-8200
C206 47 SL
C207 K-8200
C208 K-8200
C209 47 SL
C210 K-8200
C211 K-8200
C212 K-8200
C213 K-8200
R202 F-20K 1/10W
R201 F-20K 1/10W
C308 220 SL
R302 680 1/10W
C312 100 SL
C311 100 SL
R308 560 1/10W
R309 560 1/10W
C310 Z-.01
C313 Z-.01
R307 390 1/10W
R310 390 1/10W
C309 K-.1
C314 K-.1
R311 12 1/10W
R312 220K 1/10W
C315 K-.1
REC CURRENT AMP
AGC DET
ENVELOPE DET
HA CONT
TRICK 1
NORMAL
TRICK 2
COMP
BUF
AGC
H.SYNC
SW30
TC
SW
EP
VCA
REC
PB/REC
PRE
CH1 A-R
CH2 A-L
P/R
VCC
Not Employed
RZ74 0
REC2-A
A-FF
REC1
TO MC/TM
C303 K-.01
R306 0 1/10W
R314 220
RZ89 0
C302 Z-.1
C301 K-.1
R313 0 1/10W
C306 6.3V 100μ
C307 K-.1
L301 100μH
C305 Z-.1
R304 1.8K 1/10W
R303 390 1/10W
C304 Z-.01
REC-HIFI
PB-HIFI
TO HIFI
RZ417 0
C-SYNC
REC-FMC
PB-C
EE
TO YC/CG
SW5
AI2
COMP
HASW
D-FF
REC2
V-ENV
PB
C218 K-8200
R210 22K
C219 K-.01
R203 68K 1/10W
R223 56K
R217 39K 1/10W
R216 100 1/10W
C216 50V .47μ
R207 F-2.2K 1/10W
C214 6.3V 100μ
R209 10K 1/10W
D201
R206 F-10K 1/10W
R205 F-10K 1/10W
C217 K-8200
C215 K-8200

All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3053-C,D unless otherwise specified.
All PNP transistors are 2SA1235-E,F unless otherwise specified.


IS
22K
22K
DTA124EK/UN2112


IS
22K
22K
DTC124EK/UN2212

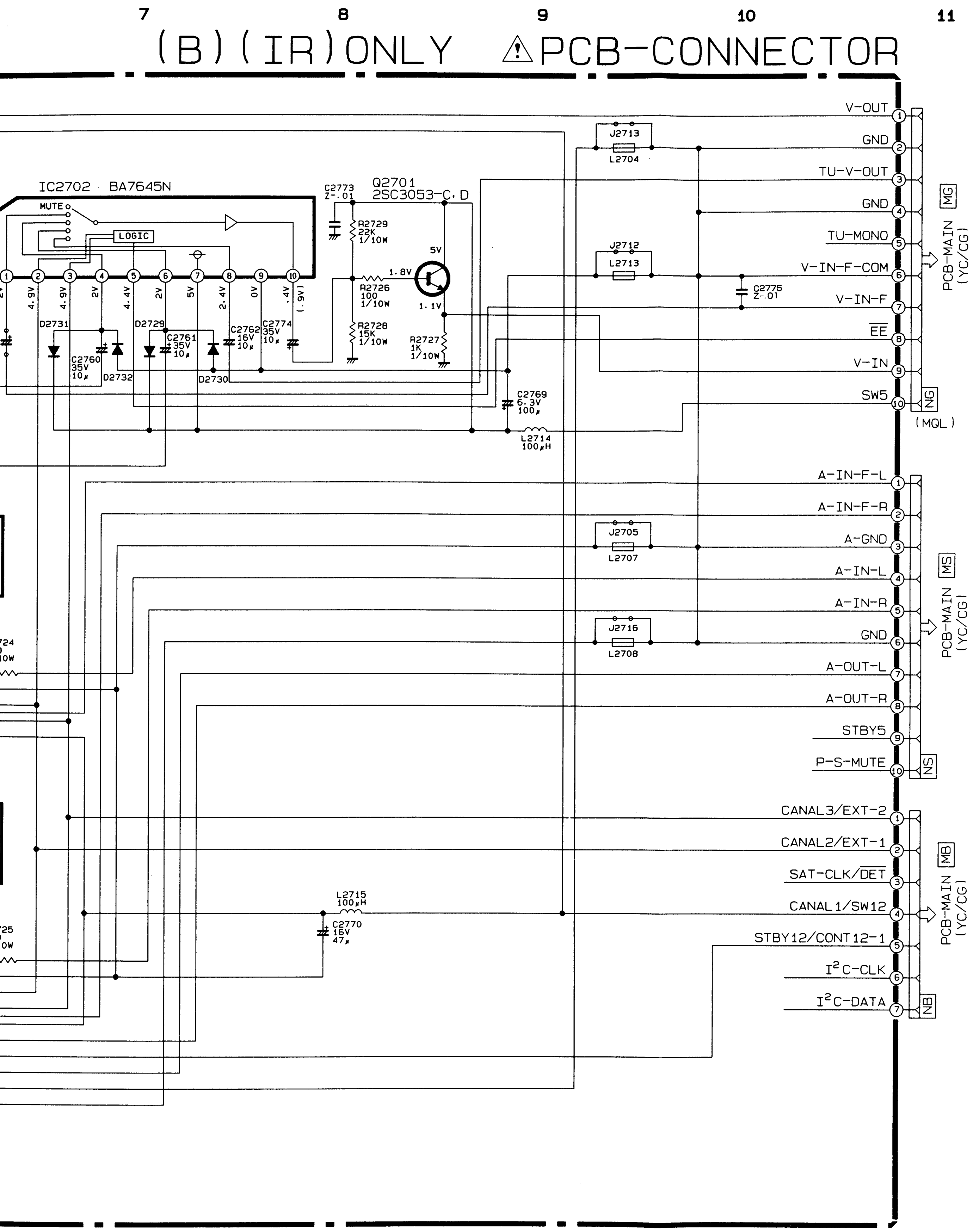
(B)(IR)ONLY ⚠PCB-CONNECTO


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
IC2702 BA7645N
MUTE
LOGIC
Q2701 2SC3053-C,D
C2773 Z-.01
R2729 22K 1/10W
R2726 100 1/10W
R2728 15K 1/10W
R2727 1K 1/10W
5V
1.8V
1.1V
C2759 35V 10μ
C2760 35V 10μ
C2761 35V 10μ
C2762 16V 10μ
C2774 35V 10μ
D2729
D2730
D2731
D2732
C2769 6.3V 100μ
L2714 100μH
J2713
L2704
J2712
L2713
C2775 Z-.01
J2705
L2707
J2716
L2708
IC2703 NJM2234L L-CH
IC2704 NJM2234L R-CH
BIAS
C2763 50V 4.7μ
C2764 50V 4.7μ
C2765 50V 4.7μ
C2766 50V 4.7μ
C2767 50V 4.7μ
C2768 50V 4.7μ
D2733
D2734
D2735
D2736
D2737
D2738
D2739
D2740
R2724 220 1/10W
R2725 220 1/10W
L2715 100μH
C2770 16V 47μ
AV2 J2702
AV1 J2701
C2733 330 SL
R2710 75
C2742 330 SL
R2716 75
R2730 0
RJ2701 0
C2734 K-330
C2735 K-330
C2736 K-330
C2737 K-330
R2712 1K 1/10W
R2713 1K 1/10W
A-IN-L-2
A-IN-R-2
D2715
D2716
R2723 100K
CONT-12-1
C2743 K-330
C2744 K-330
C2745 K-330
C2746 K-330
R2717 1K 1/10W
R2718 1K 1/10W
A-IN-L-1
A-IN-R-1
V-OUT-1
A-OUT-L-1
A-OUT-R-1
R
G
B
R2719 470 1/10W
L2709 330μH
C2747 K-1800
C2748 K-6800
R2720 470 1/10W
L2710 330μH
C2749 K-1800
C2750 K-6800
A
C2751 330 SL
C2752 330 SL
R2721 1K 1/10W
R2722 1K 1/10W
J2703
J2704
A-OUT-L
A-OUT-R
V-OUT
GND
TU-V-OUT
GND
TU-MONO
V-IN-F-CO
V-IN-F
E
V-I
SW
A-IN-F-L
A-IN-F-R
A-GND
A-IN-L
A-IN-R
GND
A-OUT-L
A-OUT-R
STBY5
P-S-MUTE
CANAL3/EXT-2
CANAL2/EXT-1
SAT-CLK/DET
CANAL1/SW12
STBY12/CONT12-1
I²C-CLK
I²C-DATA

All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3052-E,F unless otherwise sprcified.
All PNP transistors are 2SA1235-E,F unless otherwise specified.

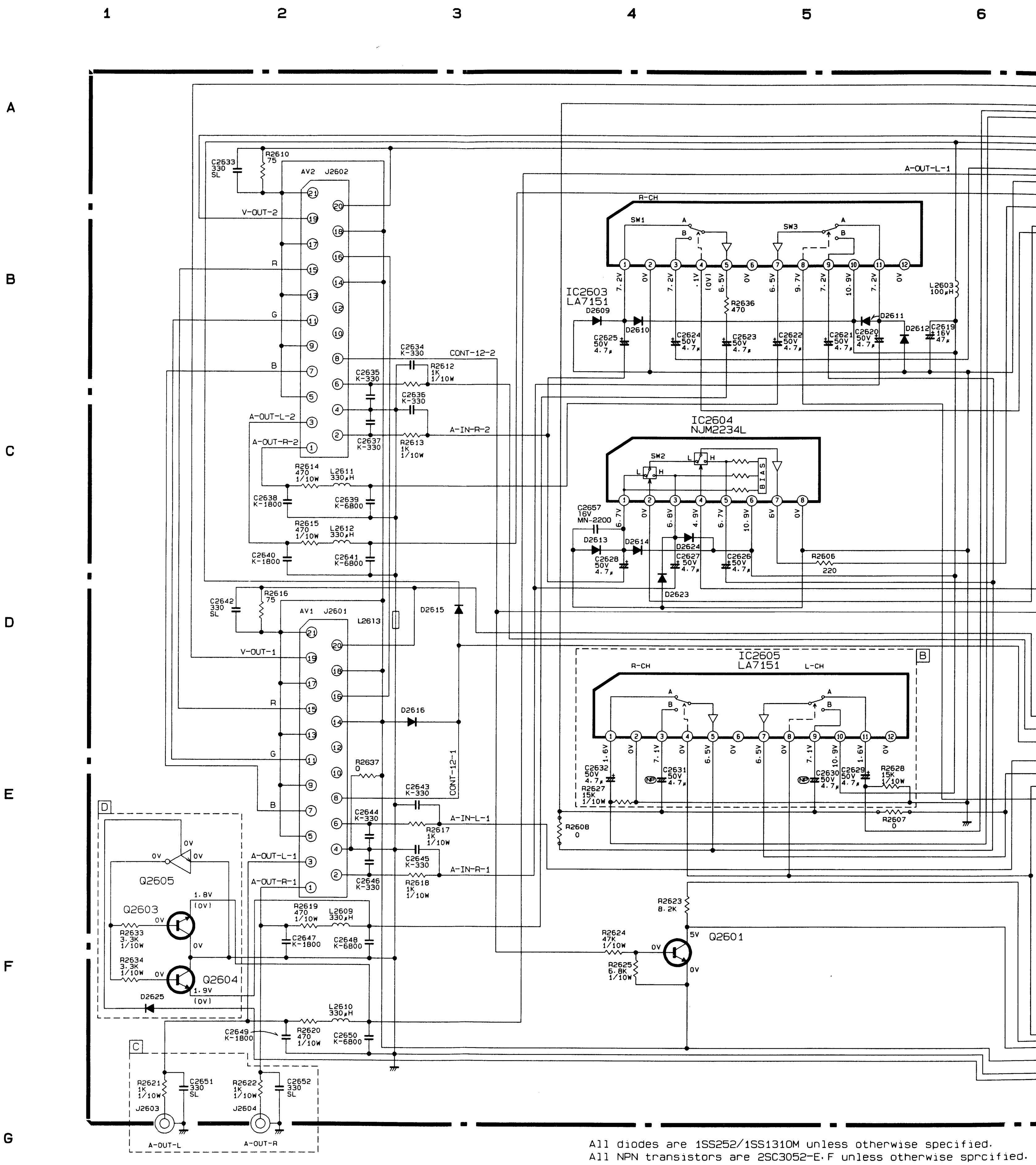
○ : Employed ╳ :Not employed

SYMBOL	C2759	C2763	C2766	L2704	L2713	L2707	L2708	D2715	A
ADDRESS	B-6	D-5	E-5	A-9	B-9	C-9	D-9	C-3	F-1
HS-751V(IR)	╳	╳	╳	╳	╳	○	╳	╳	╳
HS-751V(B)	╳	╳	╳	╳	╳	○	╳	╳	○

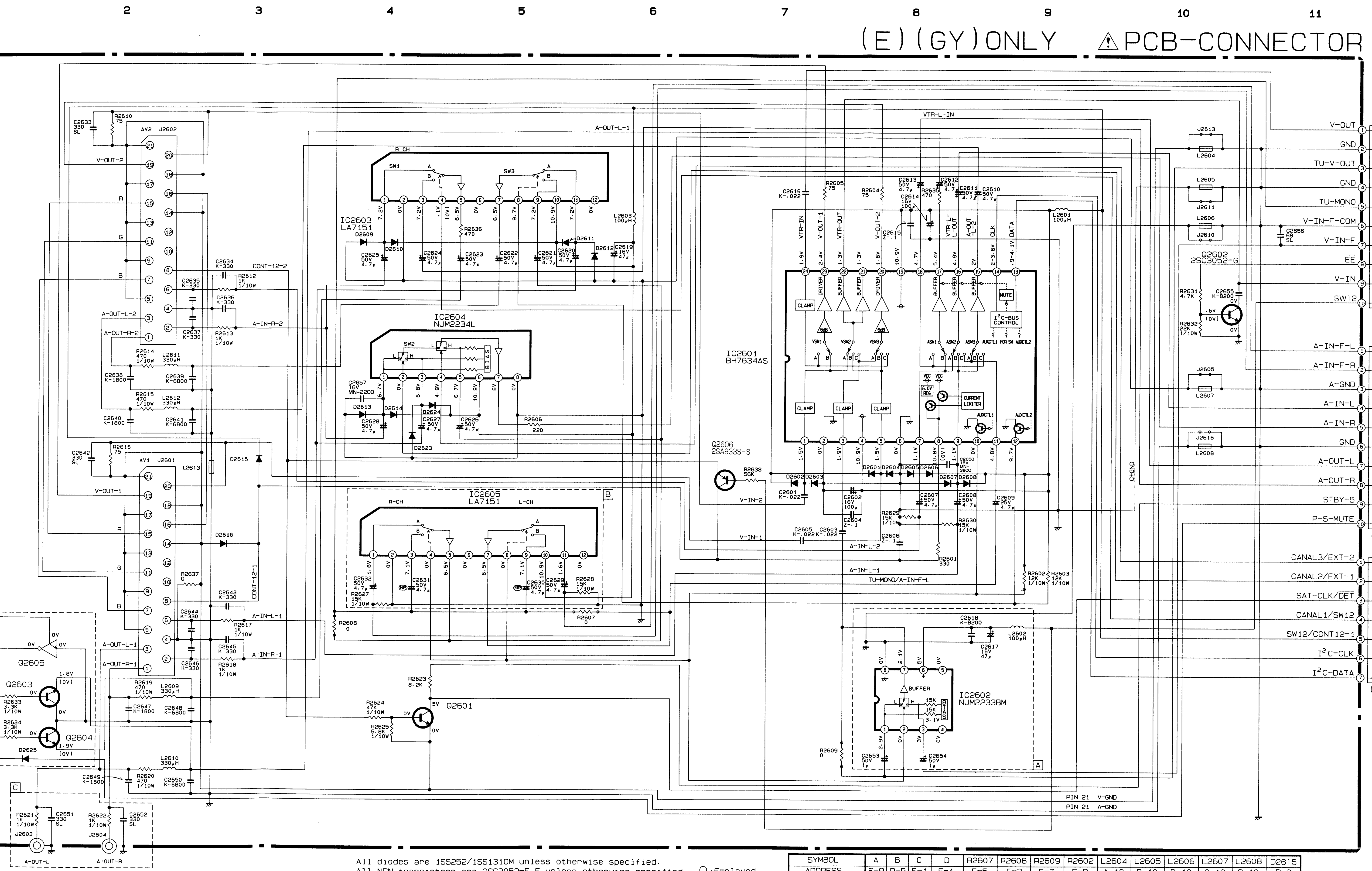

7
8
9
10
11
(B)(IR)ONLY ⚠PCB-CONNECTOR
IC2702 BA7645N
MUTE
LOGIC
Q2701
2SC3053-C, D
C2773
Z-.01
R2729
22K
1/10W
R2726
100
1/10W
R2728
15K
1/10W
R2727
1K
1/10W
1.8V
5V
1.1V
D2731
D2729
D2732
D2730
C2760
35V
10μ
C2761
35V
10μ
C2762
16V
10μ
C2774
35V
10μ
C2769
6.3V
100μ
L2714
100μH
C2775
Z-.01
J2713
L2704
J2712
L2713
J2705
L2707
J2716
L2708
L2715
100μH
C2770
16V
47μ
V-OUT
GND
TU-V-OUT
GND
TU-MONO
V-IN-F-COM
V-IN-F
EE
V-IN
SW5
MG
NG
(MQL)
PCB-MAIN
(YC/CG)
A-IN-F-L
A-IN-F-R
A-GND
A-IN-L
A-IN-R
GND
A-OUT-L
A-OUT-R
STBY5
P-S-MUTE
MS
NS
CANAL3/EXT-2
CANAL2/EXT-1
SAT-CLK/DET
CANAL1/SW12
STBY12/CONT12-1
I²C-CLK
I²C-DATA
MB
NB

○ : Employed ╳ :Not employed

SYMBOL	C2759	C2763	C2766	L2704	L2713	L2707	L2708	D2715	A
ADDRESS	B-6	D-5	E-5	A-9	B-9	C-9	D-9	C-3	F-1
HS-751V(IR)	╳	╳	╳	╳	╳	○	╳	╳	╳
HS-751V(B)	╳	╳	╳	╳	╳	○	╳	╳	○


1
2
3
4
5
6
A
B
C
D
E
F
G
AV2 J2602
AV1 J2601
C2633
330
SL
R2610
75
V-OUT-2
A-OUT-L-2
A-OUT-R-2
C2642
330
SL
R2616
75
V-OUT-1
A-OUT-L-1
A-OUT-R-1
R
G
B
C2634
K-330
CONT-12-2
R2612
1K
1/10W
C2635
K-330
C2636
K-330
C2637
K-330
R2613
1K
1/10W
A-IN-R-2
R2614
470
1/10W
L2611
330μH
C2638
K-1800
C2639
K-6800
R2615
470
1/10W
L2612
330μH
C2640
K-1800
C2641
K-6800
L2613
D2615
D2616
R2637
0
C2643
K-330
CONT-12-1
C2644
K-330
R2617
1K
1/10W
A-IN-L-1
C2645
K-330
R2618
1K
1/10W
A-IN-R-1
C2646
K-330
R2619
470
1/10W
L2609
330μH
C2647
K-1800
C2648
K-6800
L2610
330μH
C2649
K-1800
R2620
470
1/10W
C2650
K-6800
D
Q2605
Q2603
Q2604
R2633
3.3K
1/10W
R2634
3.3K
1/10W
D2625
1.8V
(0V)
1.9V
(0V)
C
R2621
1K
1/10W
C2651
330
SL
R2622
1K
1/10W
C2652
330
SL
J2603
J2604
A-OUT-L
A-OUT-R
A-OUT-L-1
R-CH
SW1
SW3
IC2603
LA7151
D2609
D2610
D2611
D2612
C2625
50V
4.7μ
C2624
50V
4.7μ
C2623
50V
4.7μ
C2622
50V
4.7μ
C2621
50V
4.7μ
C2620
50V
4.7μ
C2619
16V
47μ
R2636
470
L2603
100μH
IC2604
NJM2234L
SW2
BIAS
C2657
16V
MN-2200
D2613
D2614
D2623
D2624
C2628
50V
4.7μ
C2627
50V
4.7μ
C2626
50V
4.7μ
R2606
220
IC2605
LA7151
L-CH
C2632
50V
4.7μ
C2631
50V
4.7μ
C2630
50V
4.7μ
C2629
50V
4.7μ
R2627
15K
1/10W
R2628
15K
1/10W
R2607
0
R2608
0
R2623
8.2K
R2624
47K
1/10W
R2625
6.8K
1/10W
Q2601
5V
0V

All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3052-E, F unless otherwise sprcified.
All PNP transistors are 2SA1235-E, F unless otherwise specified.


2
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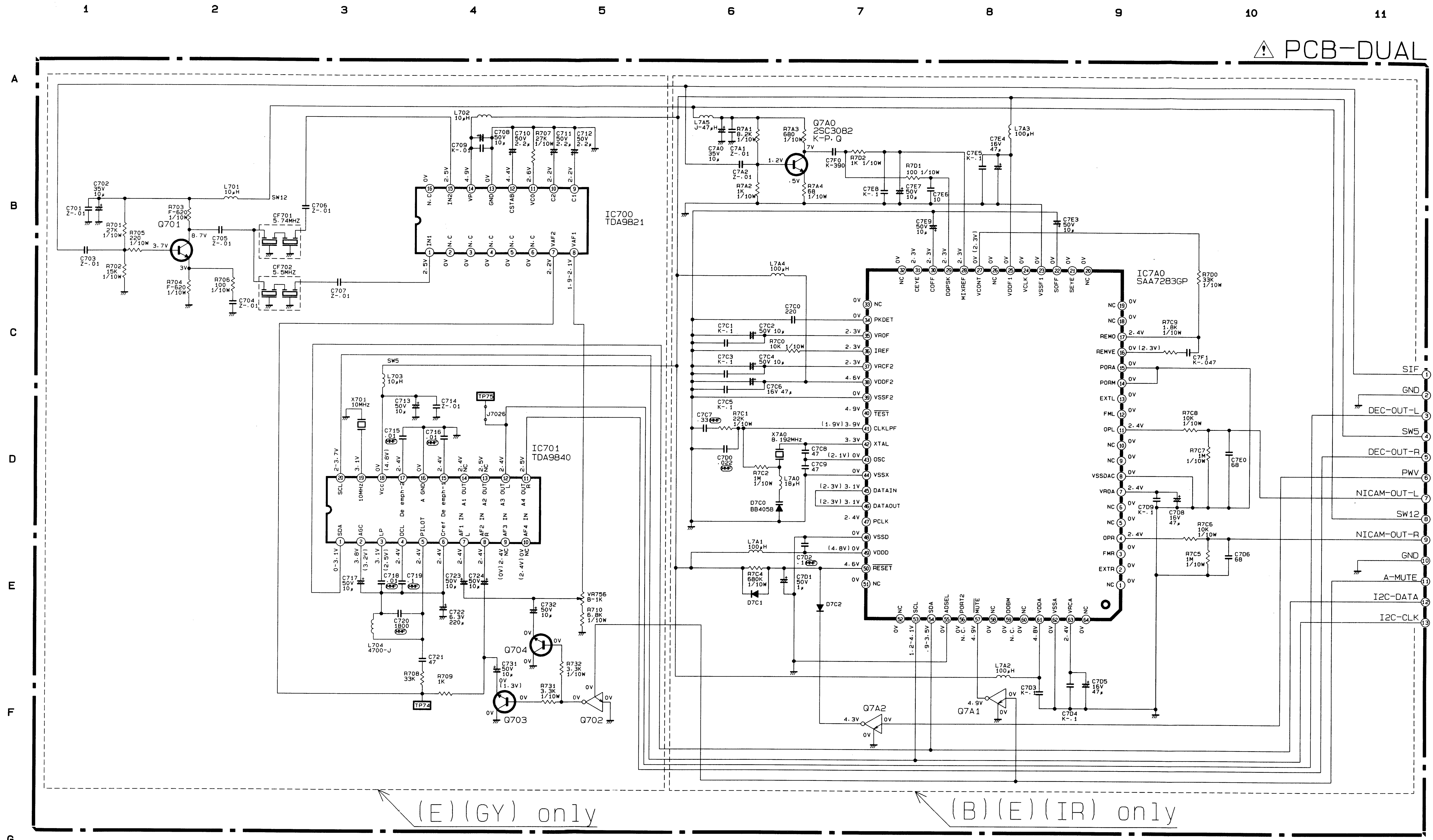
11
(E)(GY)ONLY
⚠PCB-CONNECTOR
IC2603 LA7151
IC2604 NJM2234L
IC2605 LA7151
IC2601 BH7634AS
IC2602 NJM2233BM
Q2601
Q2602 2SC3052-G
Q2603
Q2604
Q2605
Q2606 2SA933S-S
AV2 J2602
AV1 J2601
J2603 A-OUT-L
J2604 A-OUT-R
V-OUT
GND
TU-V-OUT
GND
TU-MONO
V-IN-F-COM
V-IN-F
EE
V-IN
SW12
A-IN-F-L
A-IN-F-R
A-GND
A-IN-L
A-IN-R
GND
A-OUT-L
A-OUT-R
STBY-5
P-S-MUTE
CANAL3/EXT-2
CANAL2/EXT-1
SAT-CLK/DET
CANAL1/SW12
SW12/CONT12-1
I²C-CLK
I²C-DATA
PCB-MAIN MG (YC/CG)
PCB-MAIN MS (YC/CG)
PCB-MAIN MB (YC/CG)
NG (MQL)
NS (MQL)
NB (MQL)
PIN 21 V-GND
PIN 21 A-GND
A
B
C

All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3052-E·F unless otherwise sprcified.
All PNP transistors are 2SA1235-E·F unless otherwise specified.

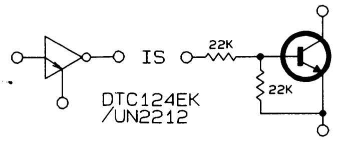
○ :Employed
× :Not employed

SYMBOL	A	B	C	D	R2607	R2608	R2609	R2602	L2604	L2605	L2606	L2607	L2608	D2615
ADDRESS	F-9	D-5	F-1	E-1	E-5	E-3	F-7	E-9	A-10	B-10	B-10	C-10	D-10	D-3
HS-751V(E)	×	×	×	○	○	○	○	×	×	×	×	×	×	×
HS-751V(GY)	×	×	○	○	○	○	○	×	×	×	×	×	×	×

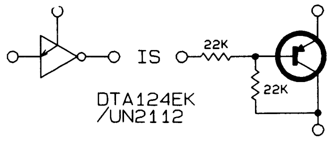

⚠ PCB-DUAL
1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
IC700
TDA9821
IC701
TDA9840
IC7A0
SAA7283GP
Q701
Q702
Q703
Q704
Q7A0
2SC3082
K-P, Q
Q7A1
Q7A2
CF701
5.74MHZ
CF702
5.5MHZ
X701
10MHz
X7A0
8.192MHz
TP74
TP75
SIF
GND
DEC-OUT-L
SW5
DEC-OUT-R
PWV
NICAM-OUT-L
SW12
NICAM-OUT-R
GND
A-MUTE
I2C-DATA
I2C-CLK
(E)(GY) only
(B)(E)(IR) only

IC-BLOCK DIAGRAM on next page.

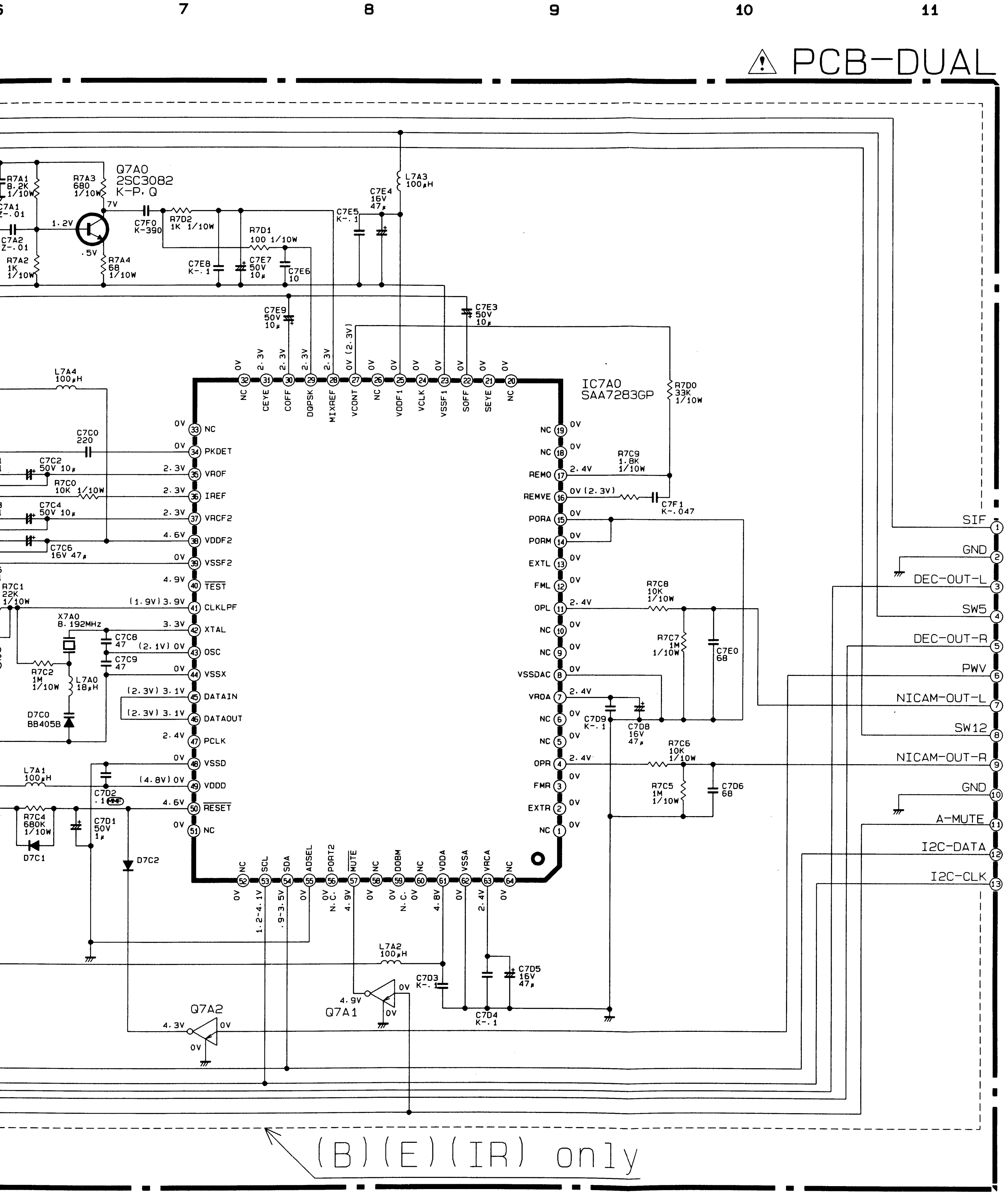
All diodes are 1SS252
unless otherwise specified.
All NPN transistors are 2SC3053-C, D
unless otherwise specified.
All PNP transistors are 2SA1235-E, F
unless otherwise specified.



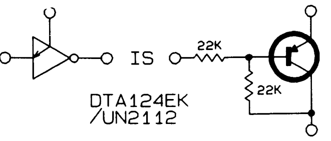
DTC124EK
/UN2212

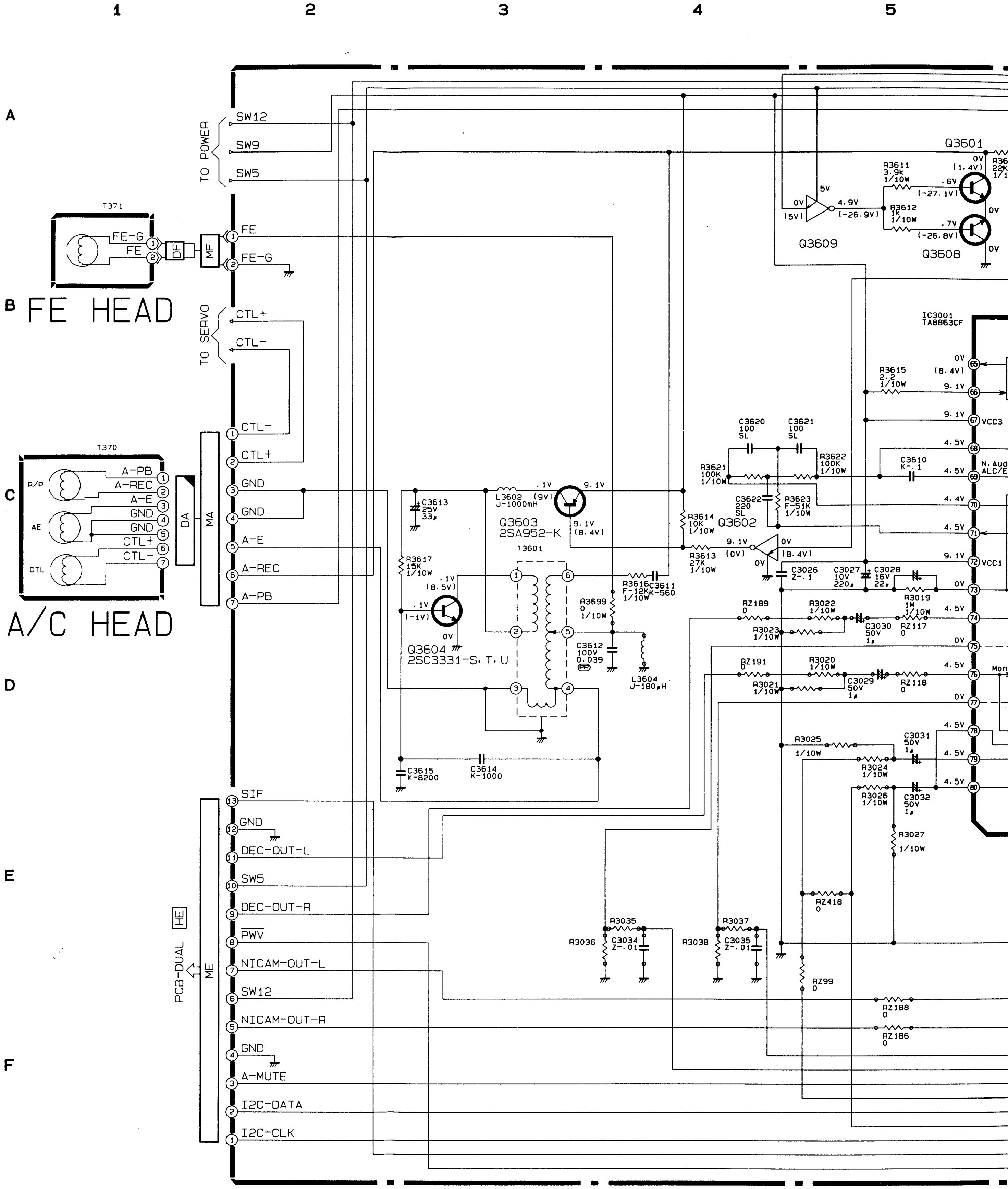


DTA124EK
/UN2112

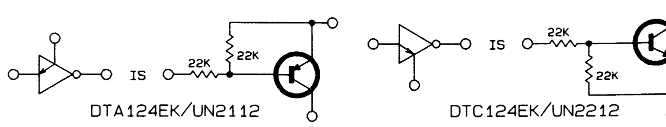

6
7
8
9
10
11
⚠ PCB-DUAL
Q7A0
2SC3082
K-P, Q
IC7A0
SAA7283GP
X7A0
8.192MHz
Q7A1
Q7A2
D7C0
BB405B
D7C1
D7C2
SIF
GND
DEC-OUT-L
SW5
DEC-OUT-R
PWV
NICAM-OUT-L
SW12
NICAM-OUT-R
GND
A-MUTE
I2C-DATA
I2C-CLK
HE
PCB-MAIN
(HIFI)
ME
(B)(E)(IR) only

IC-BLOCK DIAGRAM on next page.

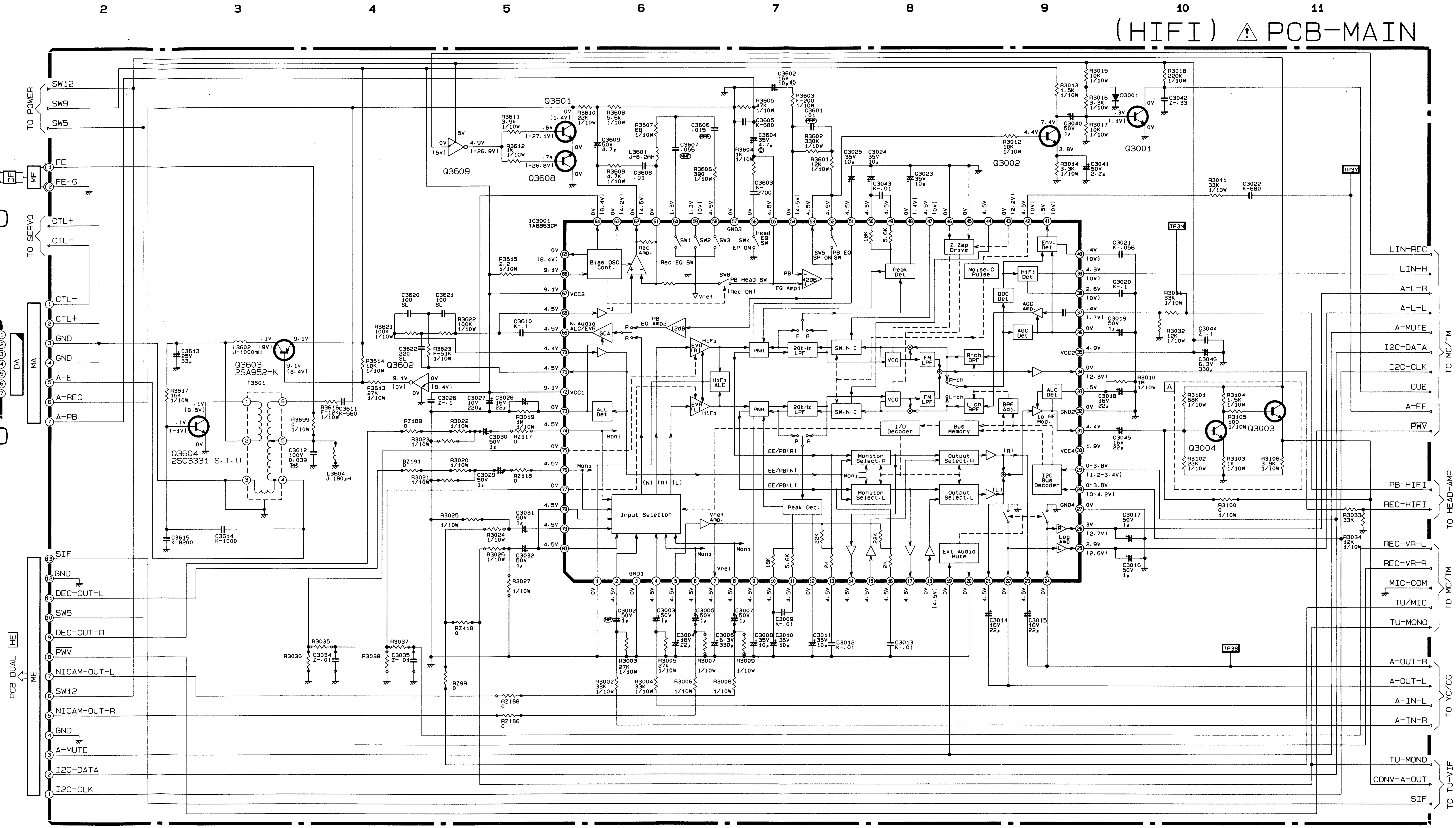

IS
22K
22K
DTA124EK
/UN2112


1
2
3
4
5
A
B
C
D
E
F
G
TO POWER
SW12
SW9
SW5
T371
FE HEAD
FE-G
FE
TO SERVO
CTL+
CTL-
T370
A/C HEAD
A-PB
A-REC
A-E
GND
CTL+
CTL-
Q3601
Q3602
Q3603
2SA952-K
Q3604
2SC3331-S, T, U
Q3608
Q3609
T3601
IC3001
TA8863CF
SIF
GND
DEC-OUT-L
SW5
DEC-OUT-R
PWV
NICAM-OUT-L
SW12
NICAM-OUT-R
GND
A-MUTE
I2C-DATA
I2C-CLK
PCB-DUAL
HE
ME

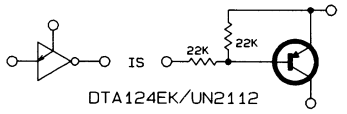
All diodes are 1SS252/1SS1310M unless otherwise specified.
All NPN transistors are 2SC3052-E, F unless otherwise sprcified.
All PNP transistors are 2SA1235-E, F unless otherwise specified.


IS
22K
22K
DTA124EK/UN2112
IS
22K
22K
DTC124EK/UN2212

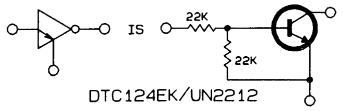
(HIFI) ⚠ PCB-MAIN


2
3
4
5
6
7
8
9
10
11
TO POWER
SW12
SW9
SW5
DF
MF
FE
FE-G
TO SERVO
CTL+
CTL-
DA
MA
CTL-
CTL+
GND
GND
A-E
A-REC
A-PB
PCB-DUAL
HE
ME
SIF
GND
DEC-OUT-L
SW5
DEC-OUT-R
PWV
NICAM-OUT-L
SW12
NICAM-OUT-R
GND
A-MUTE
I2C-DATA
I2C-CLK
Q3601
Q3608
Q3609
Q3602
Q3603
2SA952-K
Q3604
2SC3331-S.T.U
T3601
L3602 J-1000mH
L3601 J-8.2mH
L3604 J-180µH
IC3001
TA8863CF
Bias OSC Cont.
Rec Amp.
Rec EQ SW
PB Head SW
EQ Amp1
SW1
SW2
SW3
SW4
SW5
SW6
EP ON
SP ON
PB EQ
Head EQ SW
PB EQ Amp2
N.Audio ALC/EVR
GCA
ALC Det
HiFi ALC
EVR (R)
EVR (L)
PNR
20kHz LPF
SW.N.C.
VCO
FM LPF
R-ch BPF
L-ch BPF
BPF Adj.
Peak Det
Z.Zap Drive
Noise.C Pulse
HiFi Det
DOC Det
AGC Amp
AGC Det
Env. Det
ALC Det
to RF Mod.
I/O Decoder
Bus Memory
I2C Bus Decoder
Monitor Select.R
Monitor Select.L
Output Select.R
Output Select.L
Input Selector
Vref Amp.
Peak Det.
Ext Audio Mute
Log Amp
Moni
EE/PB(R)
EE/PB(N)
EE/PB(L)
GND1
GND2
GND3
GND4
VCC1
VCC2
VCC3
VCC4
Q3001
Q3002
Q3003
Q3004
D3001
TP3Y
TP3N
TP3S
LIN-REC
LIN-H
A-L-R
A-L-L
A-MUTE
I2C-DATA
I2C-CLK
CUE
A-FF
PWV
TO MC/TM
PB-HIFI
REC-HIFI
TO HEAD-AMP
REC-VR-L
REC-VR-R
MIC-COM
TU/MIC
TU-MONO
TO MC/TM
A-OUT-R
A-OUT-L
A-IN-L
A-IN-R
TO YC/CG
TU-MONO
CONV-A-OUT
SIF
TO TU-VIF

1SS252/1SS1310M unless otherwise specified.
stors are 2SC3052-E.F unless otherwise sprcified.
stors are 2SA1235-E.F unless otherwise specified.



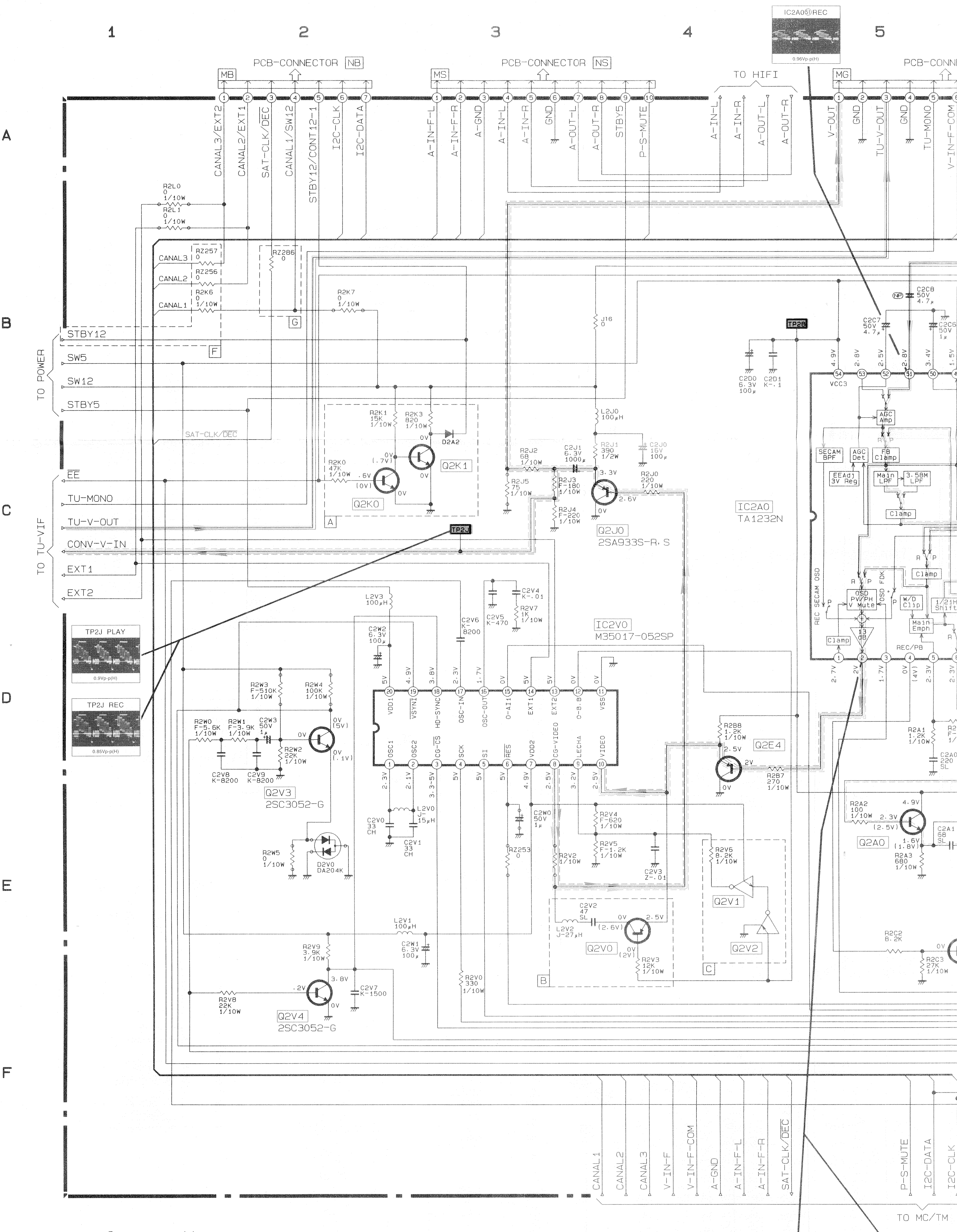
DTA124EK/UN2112



DTC124EK/UN2212

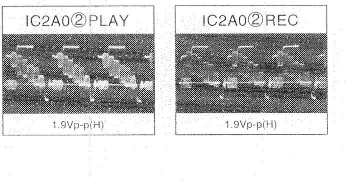
○:Employed ×:Not employed

SYMBOL	A	R3006	R3007	R3008	R3009	C3005	C3007	R3020	R3021	R3022	R3023	C3029	C3030	L3604	R3035	R3036	R3037	R3038	C3034	C3035	RZ186	RZ188	RZ189	RZ191	RZ117	RZ118	RZ99	RZ418	R3024	R3025	R3026	R3027
ADDRESS	D-11	E-7	E-7	E-7	E-7	E-7	E-7	C-5	D-5	D-5	D-5	C-6	D-6	C-4	E-4	E-4	E-5	E-5	E-4	E-5	F-6	F-6	D-5	D-5	D-6	D-6	E-5	E-5	D-5	D-5	D-5	E-6
HS-751V(GY)	×	×	×	×	×	×	×	47k	27k	47k	27k	○	○	×	×	0	×	0	×	×	×	×	○	○	○	○	×	○	47k	33k	47k	47k
HS-751V(B)	×	1.8K	27k	1.8K	27k	○	○	×	×	×	×	×	×	×	×	0	×	0	×	×	○	○	×	×	×	×	×	○	47k	27k	47k	39k
HS-751V(E)	×	5.6k	27k	5.6k	27k	○	○	47k	27k	47k	27k	○	○	×	×	0	×	0	×	×	○	○	○	○	○	○	×	○	47k	33k	47k	47k
HS-751V(IR)	×	1.8K	27k	1.8K	27k	○	○	×	×	×	×	×	×	×	×	0	×	0	×	×	○	○	×	×	×	×	×	○	47k	27k	47k	39k

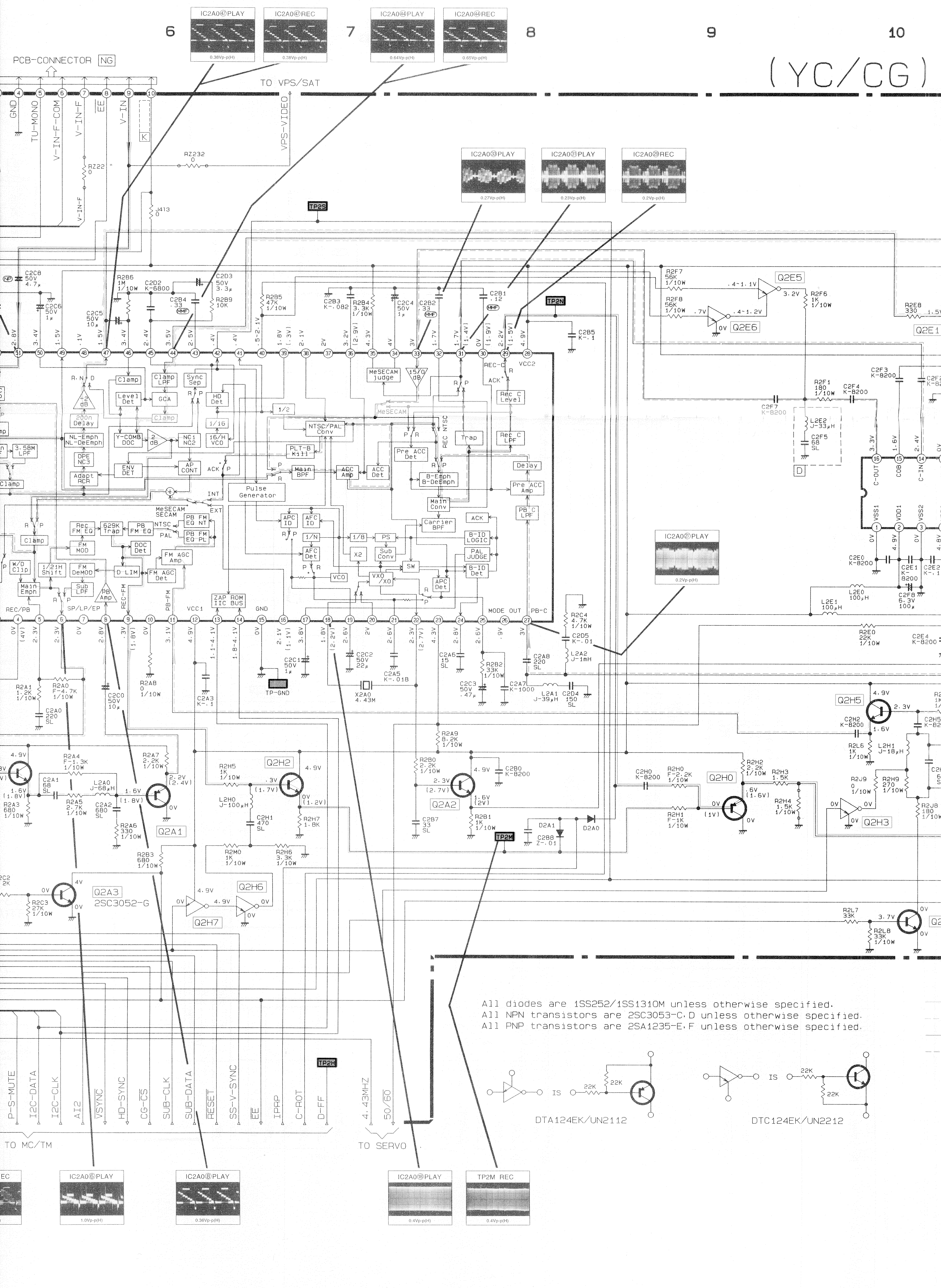

1
2
3
4
5
A
B
C
D
E
F
PCB-CONNECTOR NB
MB
CANAL3/EXT2
CANAL2/EXT1
SAT-CLK/DEC
CANAL1/SW12
STBY12/CONT12-1
I2C-CLK
I2C-DATA
PCB-CONNECTOR NS
MS
A-IN-F-L
A-IN-F-R
A-GND
A-IN-L
A-IN-R
GND
A-OUT-L
A-OUT-R
STBY5
P-S-MUTE
TO HIFI
A-IN-L
A-IN-R
A-OUT-L
A-OUT-R
IC2A0⑤REC
0.96Vp-p(H)
MG
V-OUT
GND
TU-V-OUT
GND
TU-MONO
V-IN-F-COM
R2L0 0 1/10W
R2L1 0 1/10W
RZ257 0
RZ256 0
R2K6 0 1/10W
RZ286 0
CANAL3
CANAL2
CANAL1
R2K7 0 1/10W
TO POWER
STBY12
SW5
SW12
STBY5
SAT-CLK/DEC
TO TU-VIF
EE
TU-MONO
TU-V-OUT
CONV-V-IN
EXT1
EXT2
R2K1 15K 1/10W
R2K3 820 1/10W
D2A2
Q2K1
R2K0 47K 1/10W
Q2K0
J16 0
L2J0 100μH
R2J2 68 1/10W
C2J1 6.3V 1000μ
R2J1 390 1/2W
C2J0 16V 100μ
R2J5 75 1/10W
R2J3 F-180 1/10W
R2J4 F-220 1/10W
R2J0 220 1/10W
Q2J0
2SA933S-R, S
TP2J
TP2B
C2D0 6.3V 100μ
C2D1 K-.1
C2C7 50V 4.7μ
C2C8 50V 4.7μ
C2C6 50V 1μ
IC2A0
TA1232N
VCC3
AGC Amp
SECAM BPF
AGC Det
FB Clamp
EEAdj 3V Reg
Main LPF
3.58M LPF
Clamp
OSD PV/PH V Mute
W/D Clip
1/2H Shift
Main Emph
REC/PB
REC SECAM OSD
TP2J PLAY
0.9Vp-p(H)
TP2J REC
0.85Vp-p(H)
L2V3 100μH
C2W2 6.3V 100μ
C2V6 K-8200
C2V5 K-470
C2V4 K-.01
R2V7 1K 1/10W
IC2V0
M35017-052SP
VDD1
VSYNC
HD-SYNC
OSC-IN
OSC-OUT
O-AI1
EXT1
EXT2
O-B.B
VSS
OSC1
OSC2
CG-CS
SCK
SI
RES
VDD2
CG-VIDEO
LECHA
VIDEO
R2W3 F-510K 1/10W
R2W4 100K 1/10W
R2W0 F-5.6K 1/10W
R2W1 F-3.9K 1/10W
C2W3 50V 1μ
R2W2 22K 1/10W
C2V8 K-8200
C2V9 K-8200
Q2V3
2SC3052-G
R2W5 0 1/10W
D2V0 DA204K
C2V0 33 CH
L2V0 J-15μH
C2V1 33 CH
C2W0 50V 1μ
RZ253 0
R2V4 F-620 1/10W
R2V5 F-1.2K 1/10W
R2V2 1/10W
C2V3 Z-.01
R2V6 8.2K 1/10W
Q2V1
Q2V2
R2B8 1.2K 1/10W
Q2E4
R2B7 270 1/10W
C2V2 47 SL
L2V2 J-27μH
Q2V0
R2V3 12K 1/10W
L2V1 100μH
C2W1 6.3V 100μ
R2V9 3.9K 1/10W
R2V0 330 1/10W
R2V8 22K 1/10W
C2V7 K-1500
Q2V4
2SC3052-G
R2A1 1.2K 1/10W
R2A2 100 1/10W
Q2A0
R2A3 680 1/10W
R2C2 8.2K
R2C3 27K 1/10W
CANAL1
CANAL2
CANAL3
V-IN-F
V-IN-F-COM
A-GND
A-IN-F-L
A-IN-F-R
SAT-CLK/DEC
P-S-MUTE
I2C-DATA
I2C-CLK
TO MC/TM

○:Employed ╳:Not Employed

SYMBOL	A	B	C	D	F	G	R2J5	R2K7	R2L0	R2L1	R2V2	R2W3	R2W4	RZ253	RZ22	C2E8	R2H4	R2C1	R2W5	K	J16	J413
ADDRESS	C-2	F-3	E-4	C-9	B-2	B-2	C-3	B-2	A-1	A-1	E-3	D-2	D-2	E-3	A-5	C-11	E-9	D-11	E-2	A-6	B-3	A-6
HS-751V(GY)	╳	○	╳	╳	○	○	○	╳	╳	╳	390	╳	╳	╳	╳	╳	╳	╳	╳	SW12	○	╳
HS-751V(B)	○	╳	╳	╳	╳	╳	╳	○	○	○	0	╳	╳	╳	╳	╳	╳	╳	╳	SW5	╳	○
HS-751V(E)	╳	○	╳	╳	○	○	○	╳	╳	╳	390	╳	╳	╳	╳	╳	╳	╳	╳	SW12	○	╳
HS-751V(IR)	○	╳	╳	╳	╳	╳	╳	○	○	○	0	╳	╳	╳	╳	╳	╳	╳	╳	SW5	╳	○



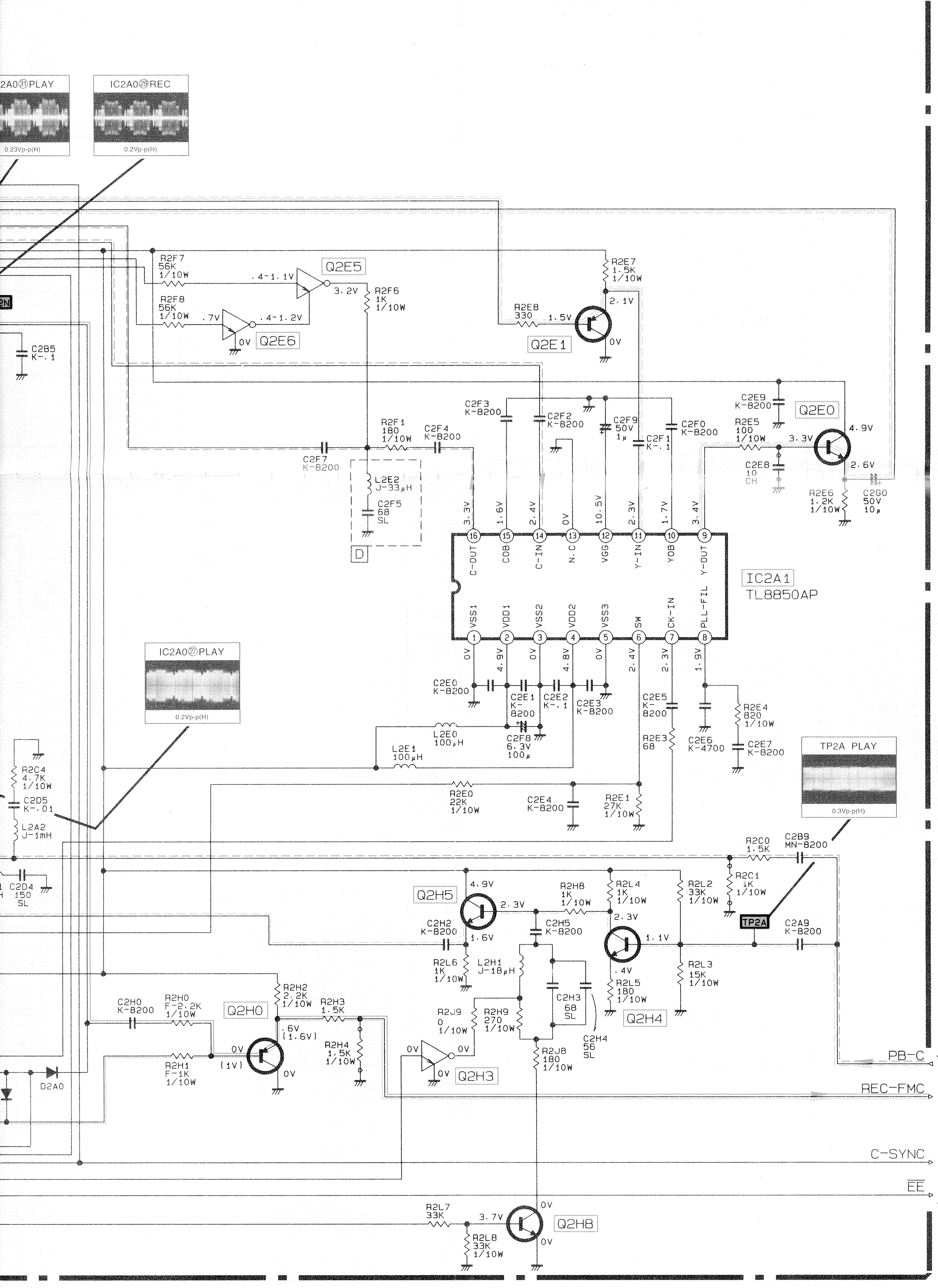
(YC/CG)



6
7
8
9
10
PCB-CONNECTOR NG
TO VPS/SAT
GND
TU-MONO
V-IN-F-COM
V-IN-F
EE
V-IN
VPS-VIDEO
IC2A0㊼PLAY
IC2A0㊼REC
IC2A0㊹PLAY
IC2A0㊹REC
IC2A0㉝PLAY
IC2A0㉛PLAY
IC2A0㉙REC
IC2A0㉗PLAY
IC2A0⑥PLAY
IC2A0⑧PLAY
IC2A0⑱PLAY
TP2M REC
TP2S
TP2N
TP2M
TP2H
TP-GND
Q2E5
Q2E6
Q2E1
Q2H5
Q2H0
Q2H3
Q2H2
Q2H6
Q2H7
Q2A1
Q2A2
Q2A3
2SC3052-G
X2A0 4.43M
Clamp
Level Det
GCA
Clamp LPF
Sync Sep
HD Det
1/16
16/H VCO
Y-COMB DOC
NL-Emph NL-DeEmph
DPE NC3
Adapt RCR
ENV DET
AP CONT
NC1 NC2
200n Delay
-2 dB
3.58M LPF
MeSECAM judge
15/0 dB
NTSC/PAL Conv
PLT-B Kill
Main BPF
ACC Amp
ACC Det
Pre ACC Det
B-Emph B-DeEmph
Main Conv
Trap
Rec C Level
Rec C LPF
Delay
Pre ACC Amp
PB C LPF
Pulse Generator
APC ID
AFC ID
1/N
1/8
PS
AFC Det
X2
Sub Conv
SW
VCO
VXO /XO
APC Det
Carrier BPF
ACK
B-ID LOGIC
PAL JUDGE
B-ID Det
Rec FM EQ
629K Trap
PB FM EQ
PB FM EQ NT
PB FM EQ PL
FM MOD
DOC Det
FM AGC Amp
FM AGC Det
FM DeMOD
D LIM
W/D Clip
1/2H Shift
Main Emph
Sub LPF
PB Amp
ZAP ROM IIC BUS
REC/PB
SP/LP/EP
REC-FM
PB-FM
VCC1
VCC2
GND
MODE OUT
PB-C
C-OUT
COB
C-IN
VSS1
VDD1
VSS2
P-S-MUTE
I2C-DATA
I2C-CLK
AI2
VSYNC
HD-SYNC
CG-CS
SUB-CLK
SUB-DATA
RESET
SS-V-SYNC
EE
IPRP
C-ROT
D-FF
4.43MHZ
50/60
TO MC/TM
TO SERVO
DTA124EK/UN2112
DTC124EK/UN2212
IS
22K

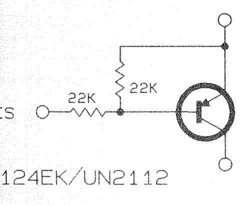
All diodes are 1SS252/1SS131OM unless otherwise specified.
All NPN transistors are 2SC3053-C,D unless otherwise specified.
All PNP transistors are 2SA1235-E,F unless otherwise specified.

(YC/CG) ⚠PCB-MAIN

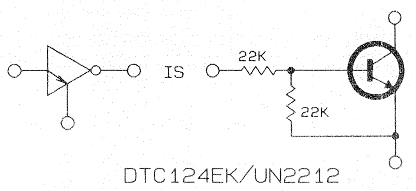

2A0㉛PLAY
IC2A0㉘REC
0.23Vp-p(H)
0.2Vp-p(H)
R2F7 56K 1/10W
R2F8 56K 1/10W
.4~1.1V
Q2E5
3.2V
R2F6 1K 1/10W
.7V
.4~1.2V
0V Q2E6
R2E7 1.5K 1/10W
2.1V
R2E8 330
1.5V
Q2E1
0V
C2B5 K-.1
C2E9 K-8200
Q2E0
C2F3 K-8200
C2F2 K-8200
C2F9 50V 1μ
C2F1 K-.1
C2F0 K-8200
R2E5 100 1/10W
3.3V
4.9V
R2F1 180 1/10W
C2F4 K-8200
C2F7 K-8200
L2E2 J-33μH
C2F5 68 SL
D
C2E8 10 CH
2.6V
R2E6 1.2K 1/10W
C2G0 50V 10μ
3.3V 1.6V 2.4V 0V 10.5V 2.3V 1.7V 3.4V
C-OUT COB C-IN N.C VGG Y-IN YOB Y-OUT
IC2A1
TL8850AP
VSS1 VDD1 VSS2 VDD2 VSS3 SW CK-IN PLL-FIL
0V 4.9V 0V 4.8V 0V 2.4V 2.3V 1.9V
IC2A0㉗PLAY
0.2Vp-p(H)
C2E0 K-8200
C2E1 K-8200
C2E2 K-.1
C2E3 K-8200
C2E5 K-8200
R2E4 820 1/10W
C2F8 6.3V 100μ
L2E0 100μH
L2E1 100μH
R2E3 68
C2E6 K-4700
C2E7 K-8200
TP2A PLAY
0.3Vp-p(H)
R2C4 4.7K 1/10W
C2D5 K-.01
L2A2 J-1mH
R2E0 22K 1/10W
C2E4 K-8200
R2E1 27K 1/10W
R2C0 1.5K
C2B9 MN-8200
C2D4 150 SL
Q2H5
4.9V
2.3V
R2H8 1K 1/10W
R2L4 1K 1/10W
2.3V
R2L2 33K 1/10W
R2C1 1K 1/10W
TP2A
C2A9 K-8200
C2H2 K-8200
1.6V
C2H5 K-8200
1.1V
R2L6 1K 1/10W
L2H1 J-18μH
.4V
R2L3 15K 1/10W
R2L5 180 1/10W
C2H0 K-8200
R2H0 F-2.2K 1/10W
Q2H0
R2H2 2.2K 1/10W
.6V (1.6V)
R2H3 1.5K
R2J9 0 1/10W
R2H9 270 1/10W
C2H3 68 SL
Q2H4
C2H4 56 SL
0V
(1V)
R2H1 F-1K 1/10W
R2H4 1.5K 1/10W
0V
0V 0V
Q2H3
R2J8 180 1/10W
D2A0
PB-C
REC-FMC
C-SYNC
EE
TO HEAD-AMP
R2L7 33K
3.7V
0V
Q2H8
R2L8 33K 1/10W
0V

re 1SS252/1SS1310M unless otherwise specified.
sistors are 2SC3053-C.D unless otherwise specified.
sistors are 2SA1235-E.F unless otherwise specified.

Recording of Luminance Signal
Playback of Luminance Signal
Recording of Color Signal
Playback of Color Signal

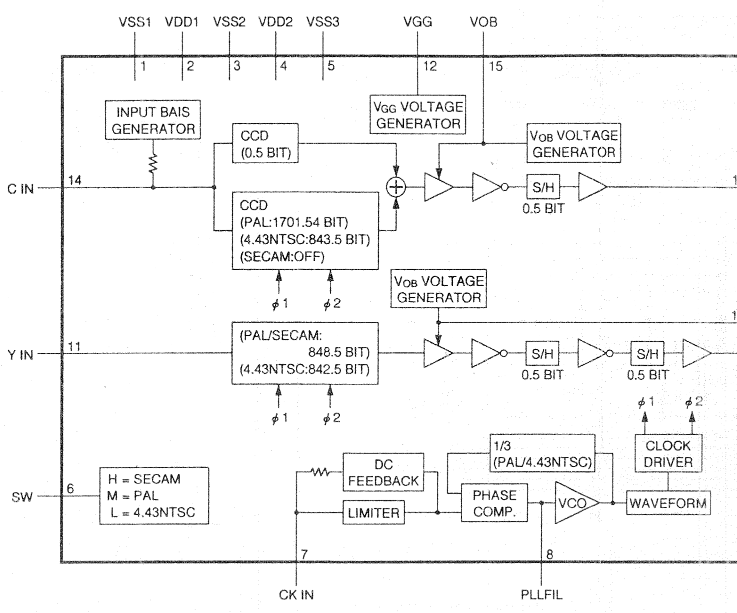


124EK/UN2112



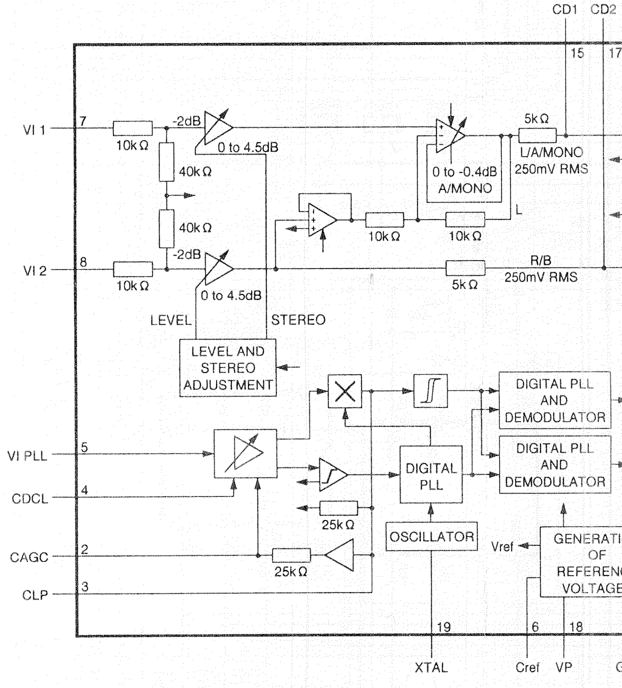
DTC124EK/UN2212

IC2A1 TL8850AP


VSS1 VDD1 VSS2 VDD2 VSS3 VGG VOB
1 2 3 4 5 12 15
INPUT BAIS GENERATOR
CCD (0.5 BIT)
VGG VOLTAGE GENERATOR
VOB VOLTAGE GENERATOR
C IN 14
CCD (PAL:1701.54 BIT) (4.43NTSC:843.5 BIT) (SECAM:OFF)
S/H 0.5 BIT
VOB VOLTAGE GENERATOR
φ1 φ2
Y IN 11
(PAL/SECAM: 848.5 BIT) (4.43NTSC:842.5 BIT)
S/H 0.5 BIT
S/H 0.5 BIT
φ1 φ2
CLOCK DRIVER
SW 6
H = SECAM M = PAL L = 4.43NTSC
DC FEEDBACK
1/3 (PAL/4.43NTSC)
LIMITER
PHASE COMP.
VCO
WAVEFORM
7 8
CK IN
PLLFIL

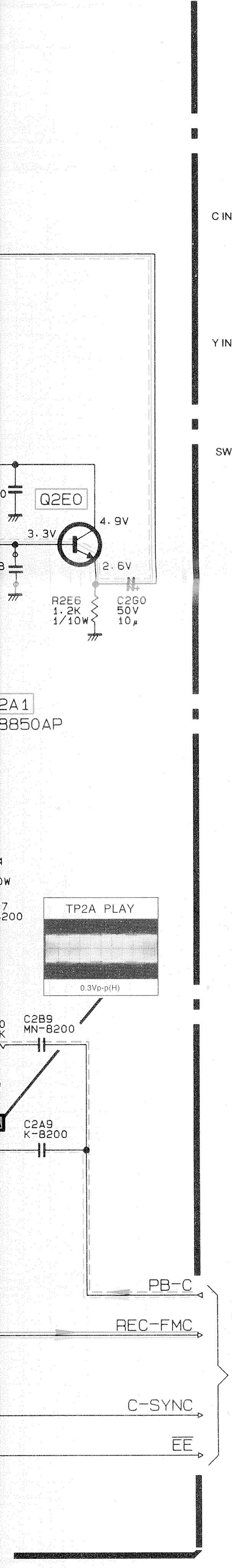
[IC-BLOCK

IC701 TDA9840

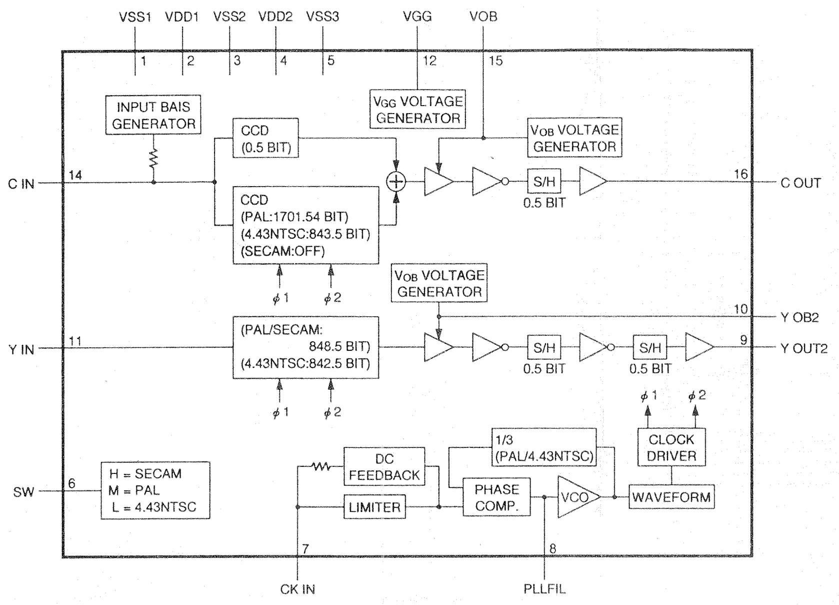

CD1 CD2
15 17
VI 1 7
10kΩ
-2dB
0 to 4.5dB
40kΩ
40kΩ
0 to -0.4dB A/MONO
5kΩ
L/A/MONO 250mV RMS
L
10kΩ 10kΩ
VI 2 8
10kΩ
-2dB
0 to 4.5dB
5kΩ
R/B 250mV RMS
LEVEL
STEREO
LEVEL AND STEREO ADJUSTMENT
DIGITAL PLL AND DEMODULATOR
DIGITAL PLL AND DEMODULATOR
VI PLL 5
DIGITAL PLL
CDCL 4
25kΩ
OSCILLATOR
Vref
GENERATI OF REFEREN VOLTAGE
CAGC 2
25kΩ
CLP 3
19 6 18
XTAL Cref VP

1

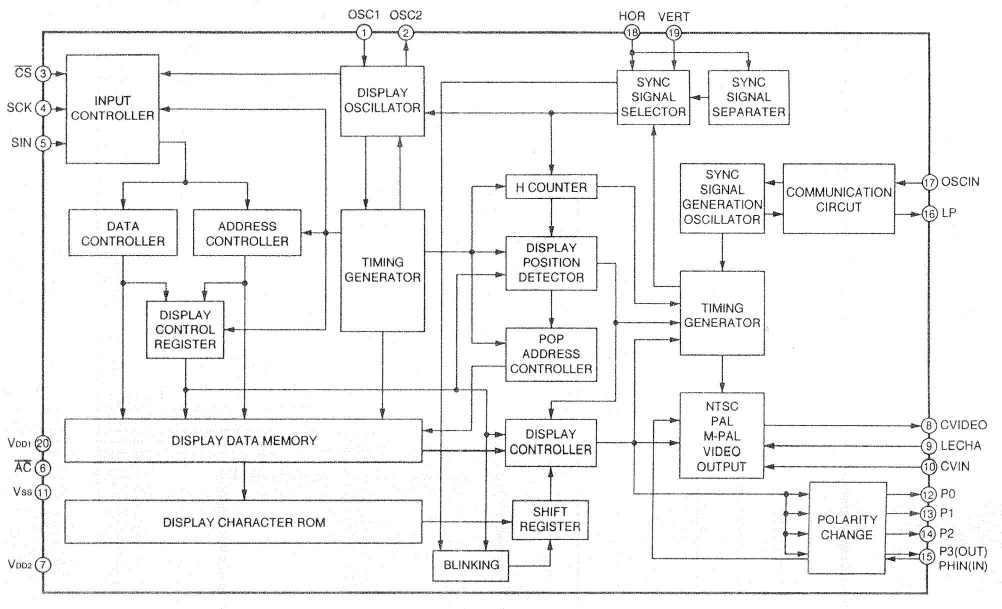
-MAIN


Q2E0
4.9V
3.3V
2.6V
R2E6
1.2K
1/10W
C2G0
50V
10μ
2A1
8850AP
TP2A PLAY
0.3Vp-p(H)
C2B9
MN-8200
C2A9
K-8200
PB-C
REC-FMC
C-SYNC
EE
TO HEAD-AMP

IC2A1 TL8850AP

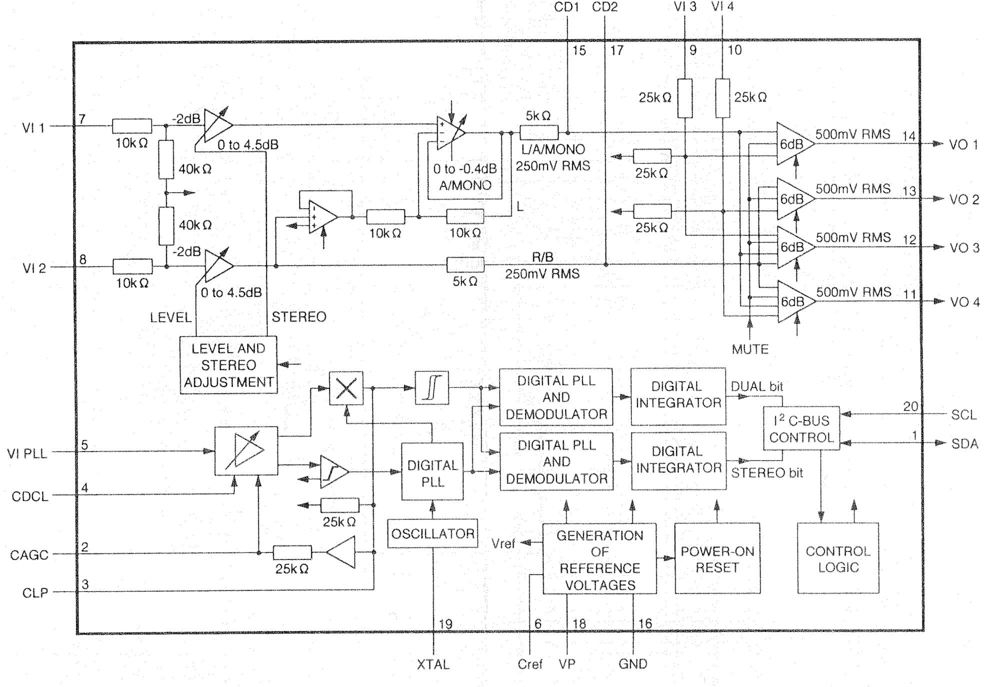

VSS1
VDD1
VSS2
VDD2
VSS3
VGG
VOB
INPUT BAIS GENERATOR
CCD (0.5 BIT)
VGG VOLTAGE GENERATOR
VOB VOLTAGE GENERATOR
C IN
S/H
0.5 BIT
C OUT
CCD (PAL:1701.54 BIT) (4.43NTSC:843.5 BIT) (SECAM:OFF)
φ1
φ2
VOB VOLTAGE GENERATOR
Y OB2
Y IN
(PAL/SECAM: 848.5 BIT) (4.43NTSC:842.5 BIT)
Y OUT2
CLOCK DRIVER
SW
H = SECAM
M = PAL
L = 4.43NTSC
DC FEEDBACK
1/3 (PAL/4.43NTSC)
LIMITER
PHASE COMP.
VCO
WAVEFORM
CK IN
PLLFIL

IC2V0 M35017-052SP

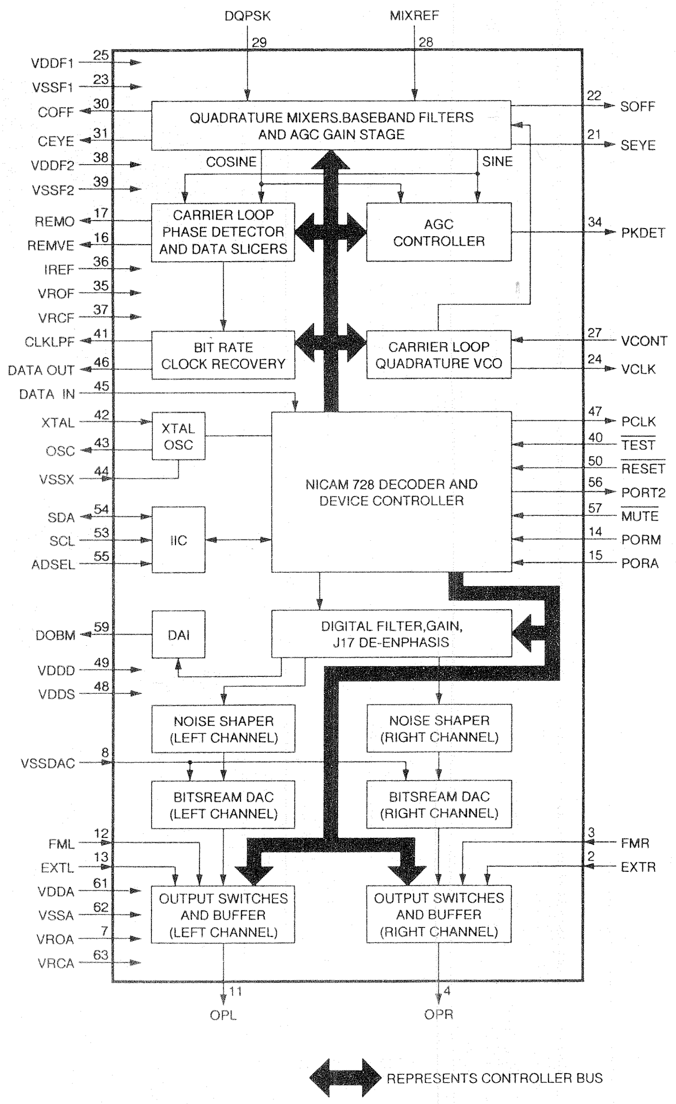

OSC1
OSC2
HOR
VERT
CS
SCK
SIN
INPUT CONTROLLER
DISPLAY OSCILLATOR
SYNC SIGNAL SELECTOR
SYNC SIGNAL SEPARATER
H COUNTER
SYNC SIGNAL GENERATION OSCILLATOR
COMMUNICATION CIRCUT
OSCIN
LP
DATA CONTROLLER
ADDRESS CONTROLLER
TIMING GENERATOR
DISPLAY POSITION DETECTOR
DISPLAY CONTROL REGISTER
TIMING GENERATOR
POP ADDRESS CONTROLLER
NTSC PAL M-PAL VIDEO OUTPUT
VDD1
AC
DISPLAY DATA MEMORY
DISPLAY CONTROLLER
CVIDEO
LECHA
CVIN
VSS
DISPLAY CHARACTER ROM
SHIFT REGISTER
POLARITY CHANGE
P0
P1
P2
P3(OUT)
PHIN(IN)
VDD2
BLINKING

[IC-BLOCK DIAGRAM PCB-DUAL]

IC701 TDA9840

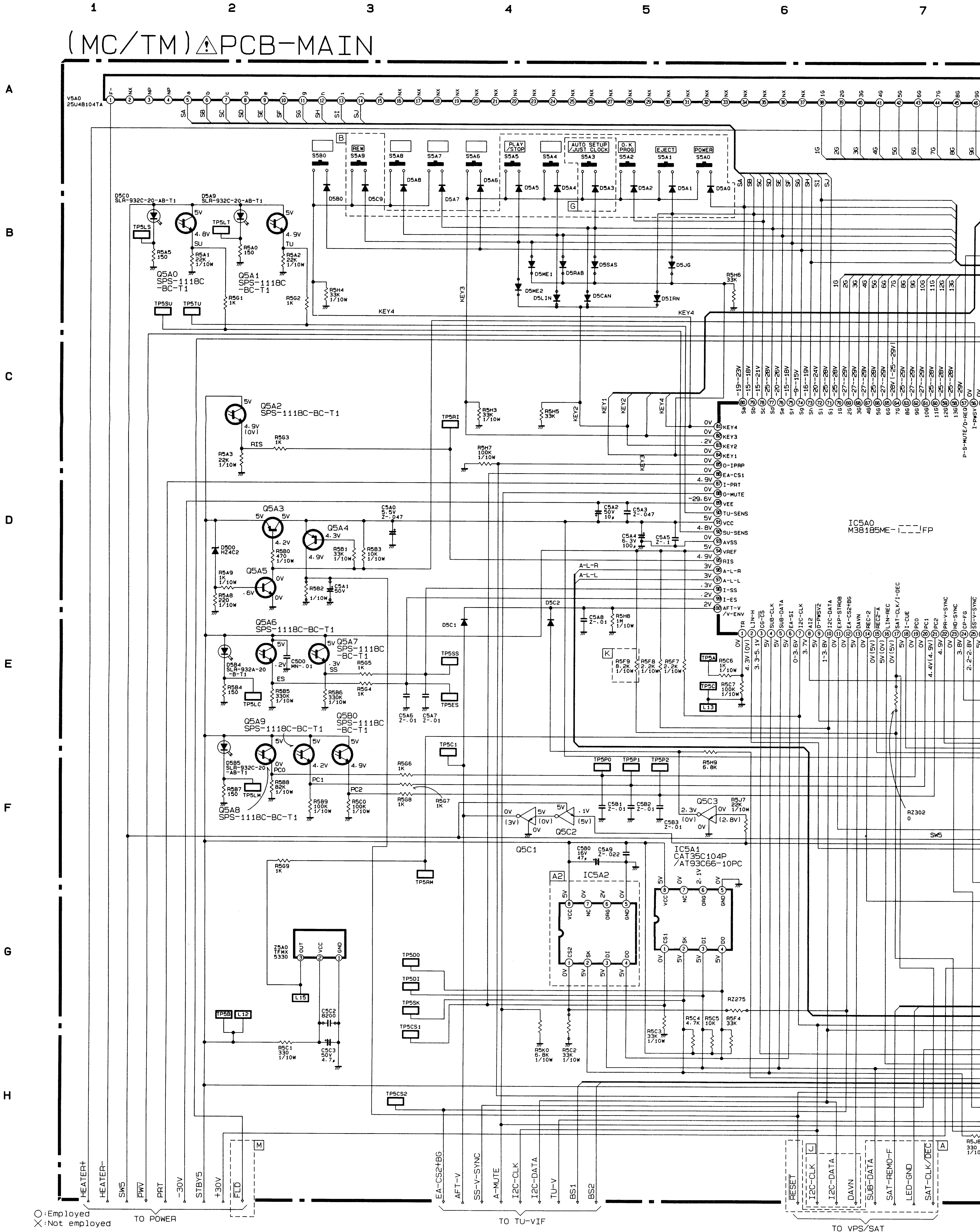

CD1
CD2
VI 3
VI 4
VI 1
-2dB
0 to 4.5dB
10kΩ
40kΩ
5kΩ
L/A/MONO
250mV RMS
0 to -0.4dB
A/MONO
25kΩ
500mV RMS
6dB
VO 1
VO 2
VO 3
VO 4
VI 2
R/B
LEVEL
STEREO
MUTE
LEVEL AND STEREO ADJUSTMENT
DIGITAL PLL AND DEMODULATOR
DIGITAL INTEGRATOR
DUAL bit
I2 C-BUS CONTROL
STEREO bit
SCL
SDA
VI PLL
CDCL
DIGITAL PLL
CAGC
OSCILLATOR
Vref
GENERATION OF REFERENCE VOLTAGES
POWER-ON RESET
CONTROL LOGIC
CLP
XTAL
Cref
VP
GND

IC7A0 SAA7283GP


DQPSK
MIXREF
VDDF1
VSSF1
COFF
CEYE
VDDF2
VSSF2
QUADRATURE MIXERS,BASEBAND FILTERS AND AGC GAIN STAGE
SOFF
SEYE
COSINE
SINE
REMO
REMVE
IREF
VROF
VRCF
CARRIER LOOP PHASE DETECTOR AND DATA SLICERS
AGC CONTROLLER
PKDET
CLKLPF
DATA OUT
DATA IN
BIT RATE CLOCK RECOVERY
CARRIER LOOP QUADRATURE VCO
VCONT
VCLK
XTAL
OSC
VSSX
XTAL OSC
NICAM 728 DECODER AND DEVICE CONTROLLER
PCLK
TEST
RESET
PORT2
MUTE
PORM
PORA
SDA
SCL
ADSEL
IIC
DOBM
DAI
DIGITAL FILTER,GAIN, J17 DE-ENPHASIS
VDDD
VDDS
NOISE SHAPER (LEFT CHANNEL)
NOISE SHAPER (RIGHT CHANNEL)
VSSDAC
BITSREAM DAC (LEFT CHANNEL)
BITSREAM DAC (RIGHT CHANNEL)
FML
EXTL
FMR
EXTR
VDDA
VSSA
VROA
VRCA
OUTPUT SWITCHES AND BUFFER (LEFT CHANNEL)
OUTPUT SWITCHES AND BUFFER (RIGHT CHANNEL)
OPL
OPR
REPRESENTS CONTROLLER BUS

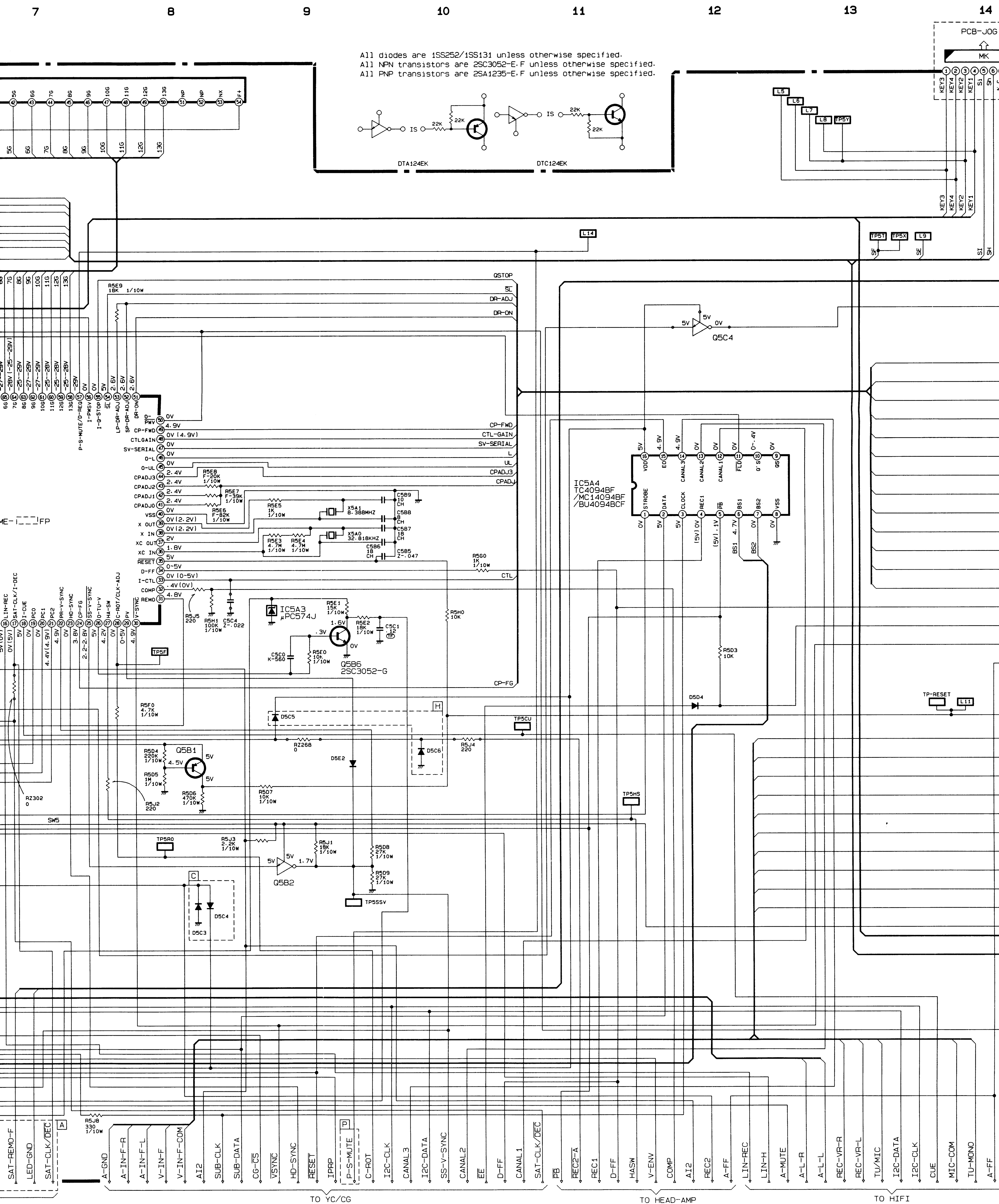
g of Luminance Signal
of Luminance Signal
g of Color Signal
of Color Signal

(MC/TM) ⚠PCB-MAIN


1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
I
V5A0
25U4B104TA
S5B0
S5A9
REW
S5A8
S5A7
S5A6
PLAY /STOP
S5A5
S5A4
AUTO SETUP /JUST CLOCK
S5A3
O.K PROG
S5A2
EJECT
S5A1
POWER
S5A0
D5B0
D5C9
D5A8
D5A7
D5A6
D5A5
D5A4
D5A3
D5A2
D5A1
D5A0
D5C0
SLR-932C-20-AB-T1
D5A9
SLR-932C-20-AB-T1
TP5LS
TP5LT
Q5A0
SPS-1118C -BC-T1
Q5A1
SPS-1118C -BC-T1
D5ME1
D5RAB
D5SAS
D5JG
D5ME2
D5LIN
D5CAN
D5IRN
KEY3
KEY4
TP5SU
TP5TU
Q5A2
SPS-1118C-BC-T1
TP5RI
KEY1
KEY2
IC5A0
M38185ME-[ ]FP
Q5A3
Q5A4
Q5A5
D5D0
HZ4C2
Q5A6
SPS-1118C-BC-T1
Q5A7
SPS-1118C -BC-T1
D5B4
SLR-932A-20 -B-T1
TP5LC
TP5SS
TP5ES
Q5A9
SPS-1118C-BC-T1
Q5B0
SPS-1118C -BC-T1
TP5C1
D5B5
SLR-932C-20 -AB-T1
TP5LM
Q5A8
SPS-1118C-BC-T1
TP5P0
TP5P1
TP5P2
Q5C1
Q5C2
Q5C3
IC5A2
IC5A1
CAT35C104P /AT93C66-10PC
TP5RM
Z5A0
TFMX 5330
L15
TP5B
L12
TP5D0
TP5DI
TP5SK
TP5CS1
TP5CS2
RZ275
RZ302
SW5
TP5A
TP5C
L13
HEATER+
HEATER-
SW5
PWV
PRT
-30V
STBY5
+30V
FLD
TO POWER
EA-CS2+BG
AFT-V
SS-V-SYNC
A-MUTE
I2C-CLK
I2C-DATA
TU-V
BS1
BS2
TO TU-VIF
RESET
I2C-CLK
I2C-DATA
DAVN
SUB-DATA
SAT-REMO-F
LED-GND
SAT-CLK/DEC
TO VPS/SAT

○:Employed
×:Not employed

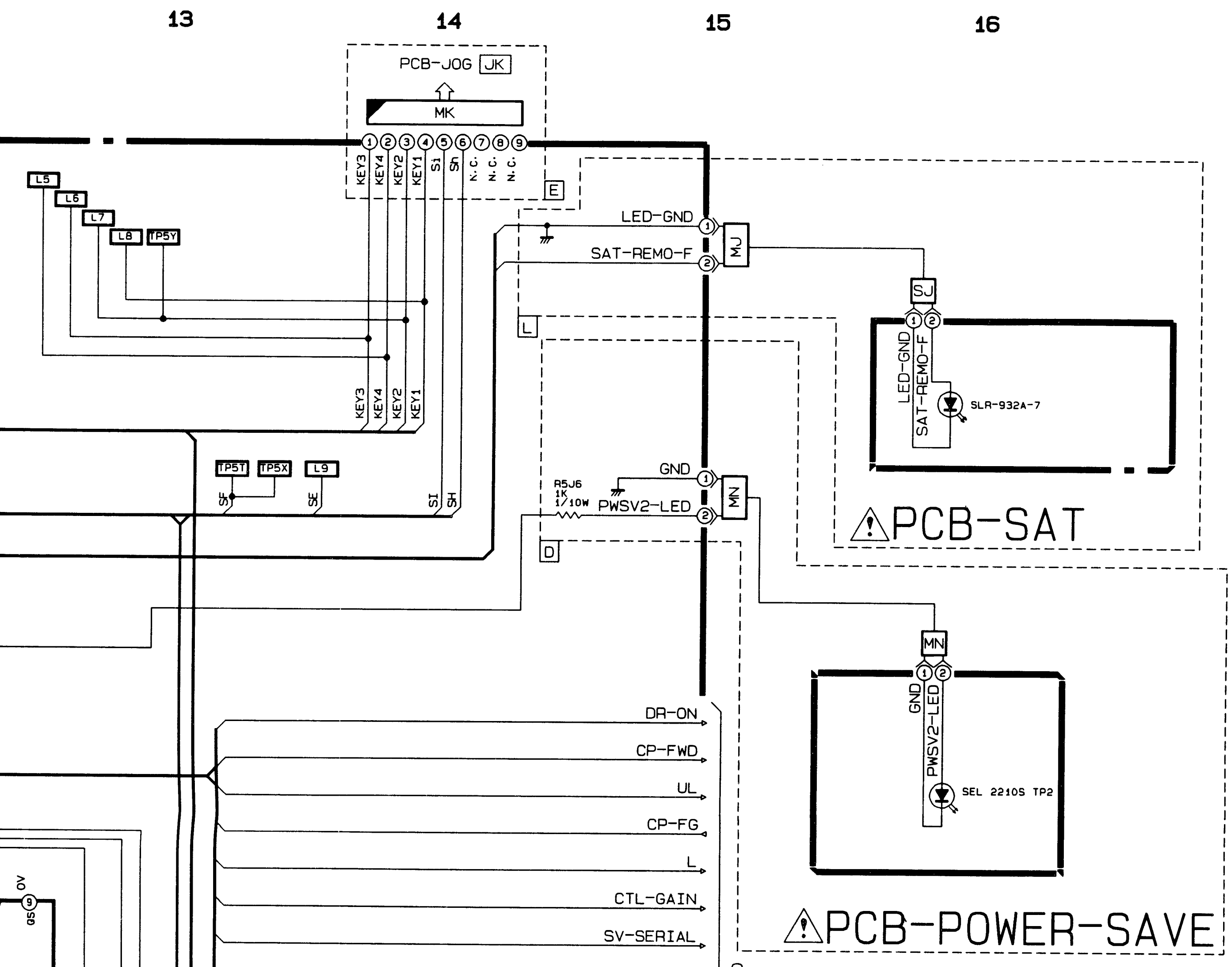
SYMBOL	D5JG	D5IRN	D5SAS	D5CAN	D5RAB	D5LIN	D5ME1	D5ME2	IC5A0	A2	C5C2	C5C4	A	B	C	D	E	F	G	H	J	K	L	M	RZ302	RZ268	R5J4	Q5C4	S5B0	S5A8	S5A7
ADDRESS	B-5	B-5	B-5	B-5	B-4	B-4	B-4	B-4	E-7	G-5	G-3	D-8	H-7	A-3	G-8	B-15	A-14	G-14	A-5	E-10	H-7	E-5	A-15	H-2	E-7	F-9	F-10	C-12	A-3	A-3	A-3
HS-751V(B)	×	×	○	×	○	×	×	×	215	AT93C56-10PC	×	×	○	○	×	×	×	×	○	×	○	×	○	×	×	×	×	×	FF	CH-UP	CH-DOW
HS-751V(GY)	×	×	×	○	○	×	×	×	216	AT93C56-10PC	×	×	×	○	×	○	×	×	○	×	○	○	×	○	○	×	×	○	FF	CH-UP	CH-DOW
HS-751V(E)	×	×	×	○	×	×	×	×	222	AT93C56-10PC	×	×	×	○	×	○	×	×	○	×	○	○	×	○	○	×	×	○	FF	CH-UP	CH-DOW
HS-751V(IR)	×	○	×	×	×	×	×	×	215	AT93C56-10PC	×	×	×	○	×	×	×	×	○	×	○	×	×	×	×	×	×	×	FF	CH-UP	CH-DOW

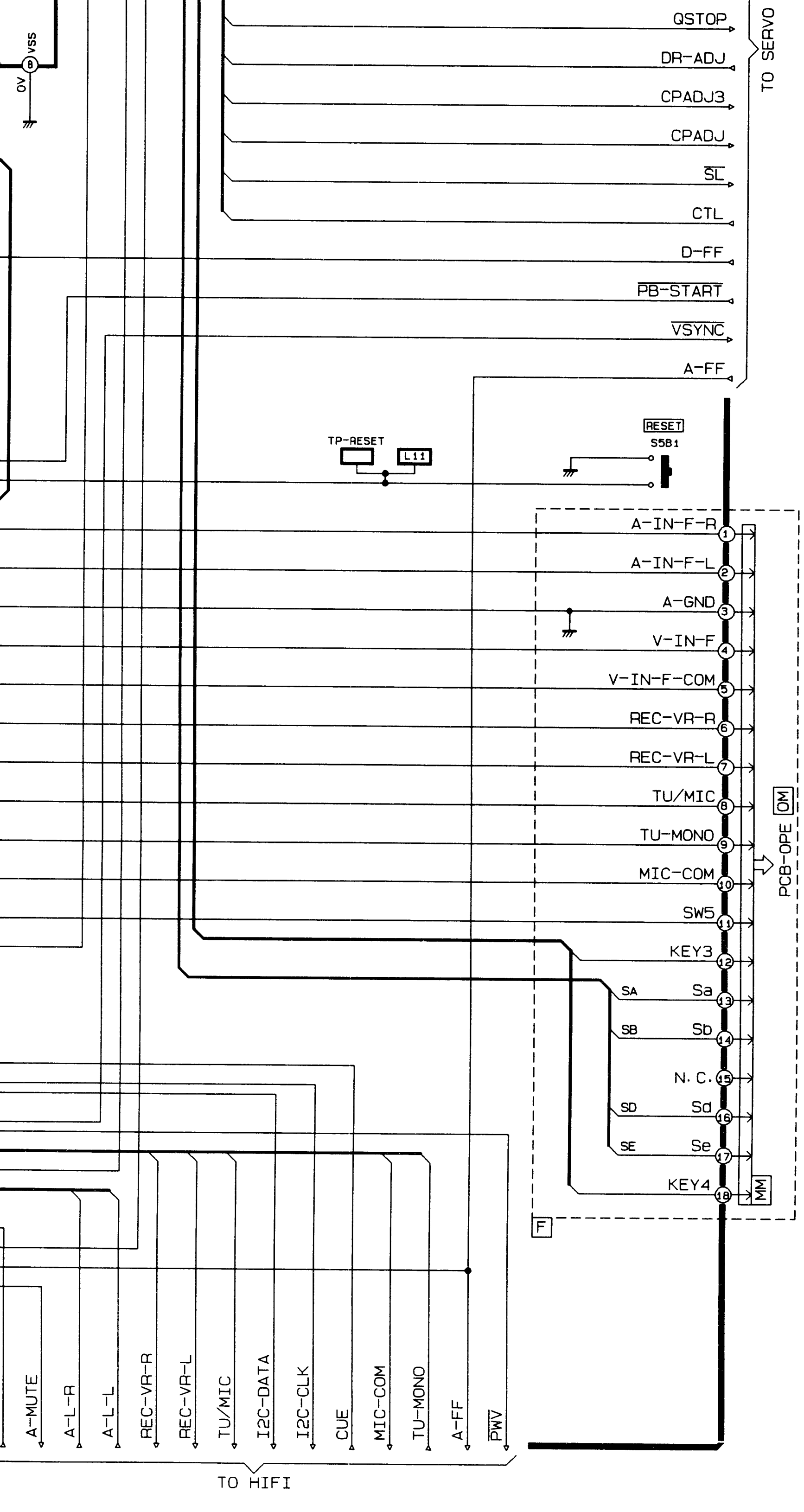

7
8
9
10
11
12
13
14
PCB-JOG
MK
KEY3
KEY4
KEY2
KEY1
S1
SH
DTA124EK
DTC124EK
22K
IS
L5
L6
L7
L8
TP5Y
L14
TP5T
TP5X
L9
QSTOP
SL
DR-ADJ
DR-ON
R5E9 18K 1/10W
Q5C4
IC5A4 TC4094BF /MC14094BF /BU4094BCF
VDD
EO
CANAL3
CANAL2
CANAL1
FLD
Q'S
QS
STROBE
DATA
CLOCK
REC1
PB
BS1
BS2
VSS
CP-FWD
CTL-GAIN
SV-SERIAL
CPADJ3
CPADJ2
CPADJ1
CPADJ0
X5A1 8.388MHZ
X5A0 32.818KHZ
R5G0 1K 1/10W
CTL
IC5A3 μPC574J
Q5B6 2SC3052-G
R5H0 10K
R5D3 10K
D5D4
CP-FG
TP5F
D5C5
H
RZ268 0
D5E2
D5C6
TP5CU
R5J4 220
Q5B1
R5D4 220K 1/10W
R505 1M 1/10W
R5D6 470K 1/10W
R5J2 220
RZ302 0
SW5
R5D7 10K 1/10W
TP5HS
TP5R0
R5J3 2.2K 1/10W
R5J1 18K 1/10W
Q5B2
R5D8 27K 1/10W
R5D9 27K 1/10W
TP5SSV
C
D5C3
D5C4
TP-RESET
L11
ME-FP
A
R5J8 330 1/10W
P
SAT-REMO-F
LED-GND
SAT-CLK/DEC
A-GND
A-IN-F-R
A-IN-F-L
V-IN-F
V-IN-F-COM
AI2
SUB-CLK
SUB-DATA
CG-CS
VSYNC
HD-SYNC
RESET
IPRP
P-S-MUTE
C-ROT
I2C-CLK
CANAL3
I2C-DATA
SS-V-SYNC
CANAL2
EE
D-FF
CANAL1
SAT-CLK/DEC
PB
REC2-A
REC1
D-FF
HASW
V-ENV
COMP
AI2
REC2
A-FF
LIN-REC
LIN-H
A-MUTE
A-L-R
A-L-L
REC-VR-R
REC-VR-L
TU/MIC
I2C-DATA
I2C-CLK
CUE
MIC-COM
TU-MONO
A-FF
TO YC/CG
TO HEAD-AMP
TO HIFI

All diodes are 1SS252/1SS131 unless otherwise specified.
All NPN transistors are 2SC3052-E·F unless otherwise specified.
All PNP transistors are 2SA1235-E·F unless otherwise specified.

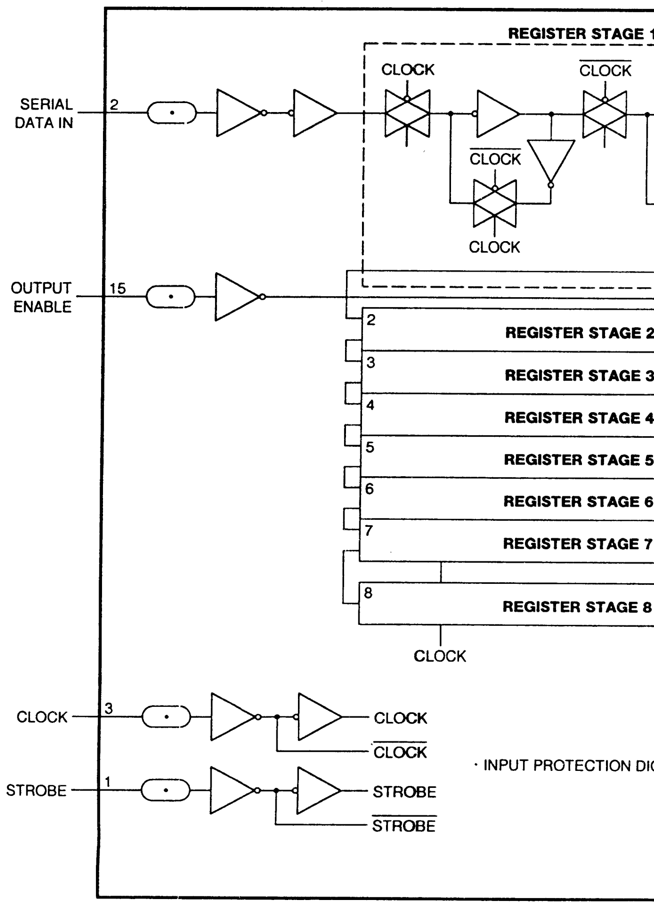
AT

4	S5B0	S5A8	S5A7	S5A6	S5A4	P	R5B2	C5A1
2	A-3	A-3	A-3	A-4	A-4	H-9	D-3	D-3
	FF	CH-UP	CH-DOWN	REC/OTR	COUNTER-RESET	✕	680	10μ
	FF	CH-UP	CH-DOWN	REC/OTR	POWER-SAVE	○	15K	.47μ
	FF	CH-UP	CH-DOWN	REC/OTR	POWER-SAVE	○	15K	.47μ
	FF	CH-UP	CH-DOWN	REC/OTR	COUNTER-RESET	✕	680	10μ

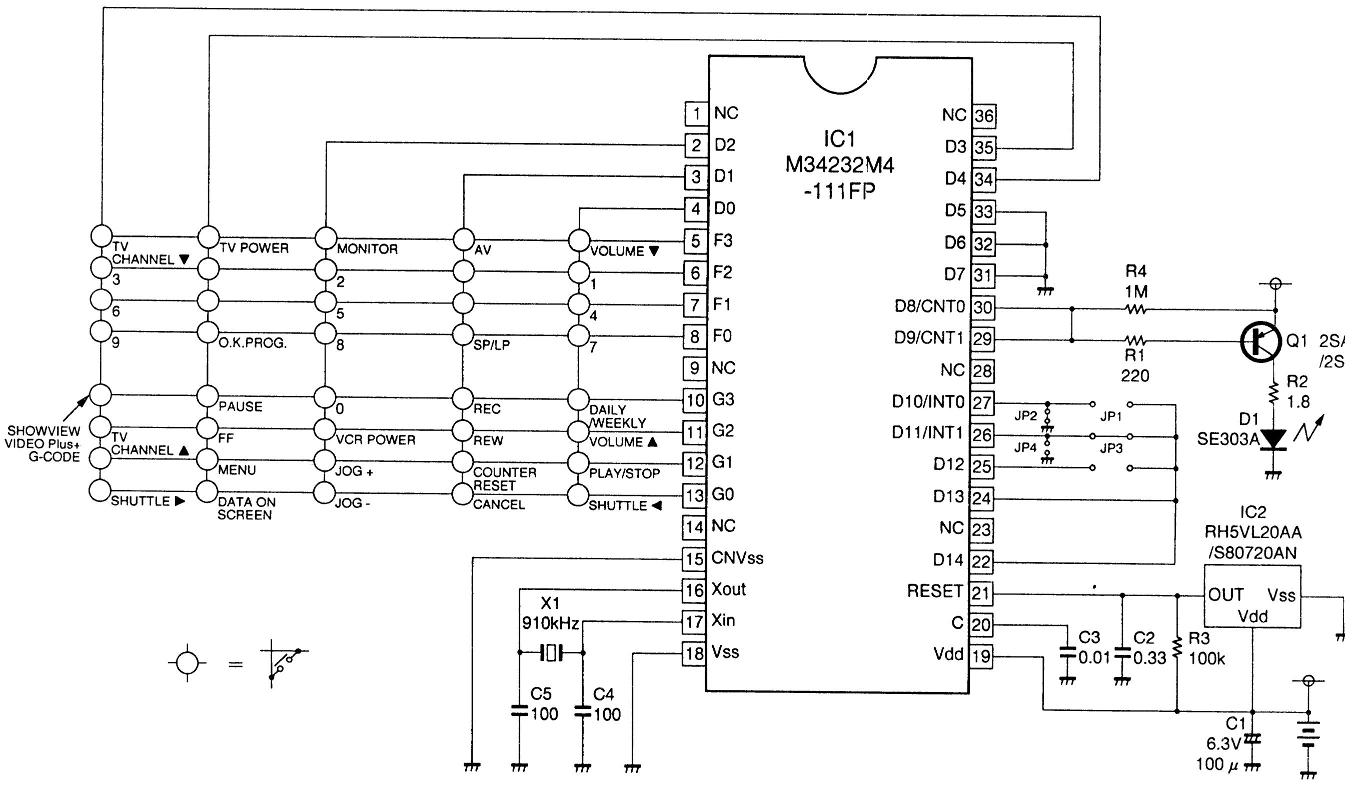

13
14
15
16
PCB-JOG JK
MK
KEY3
KEY4
KEY2
KEY1
SI
SH
N.C.
N.C.
N.C.
E
L5
L6
L7
L8
TP5Y
LED-GND
SAT-REMO-F
MJ
SJ
L
LED-GND
SAT-REMO-F
SLR-932A-7
PCB-SAT
TP5T
TP5X
L9
SF
SE
SI
SH
GND
R5J6 1K 1/10W
PWSV2-LED
MN
D
MN
GND
PWSV2-LED
SEL 2210S TP2
PCB-POWER-SAVE
DR-ON
CP-FWD
UL
CP-FG
L
CTL-GAIN
SV-SERIAL
QSTOP
DR-ADJ
CPADJ3
CPADJ
SL
0V
QS
VSS
0V
TO SERVO


CTL
D-FF
PB-START
VSYNC
A-FF
TP-RESET
L11
RESET
S5B1
A-IN-F-R
A-IN-F-L
A-GND
V-IN-F
V-IN-F-COM
REC-VR-R
REC-VR-L
TU/MIC
TU-MONO
MIC-COM
SW5
KEY3
SA
Sa
SB
Sb
N.C.
SD
Sd
SE
Se
KEY4
PCB-OPE OM
MM
F
A-MUTE
A-L-R
A-L-L
REC-VR-R
REC-VR-L
TU/MIC
I2C-DATA
I2C-CLK
CUE
MIC-COM
TU-MONO
A-FF
PWV
TO HIFI

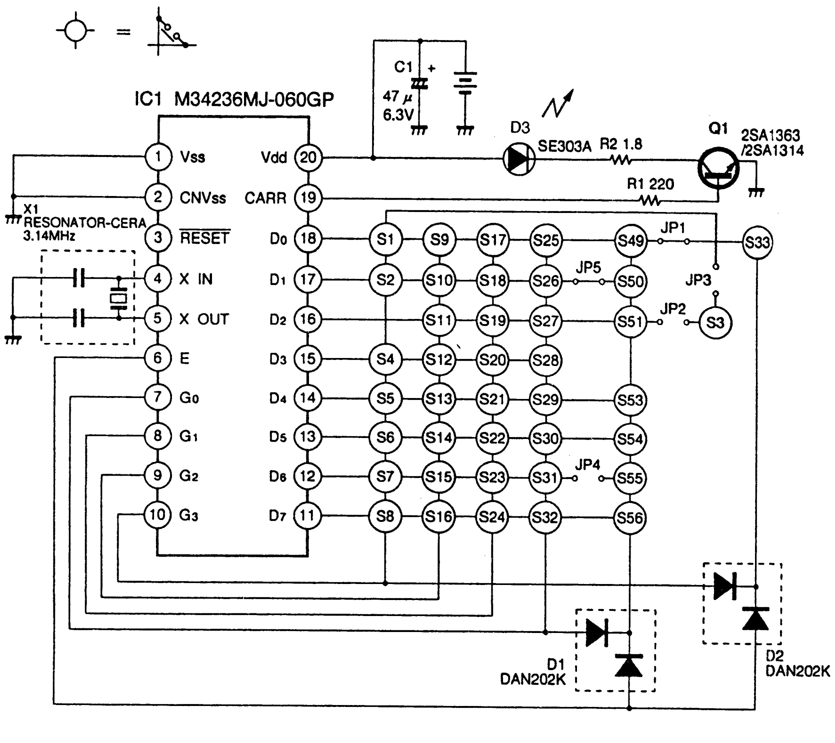
IC5A4 TC4094BF/MC14094BF/BU4094BCF


REGISTER STAGE 1
CLOCK
CLOCK
CLOCK
CLOCK
SERIAL DATA IN
2
OUTPUT ENABLE
15
REGISTER STAGE 2
REGISTER STAGE 3
REGISTER STAGE 4
REGISTER STAGE 5
REGISTER STAGE 6
REGISTER STAGE 7
REGISTER STAGE 8
CLOCK
CLOCK
3
CLOCK
CLOCK
STROBE
1
STROBE
STROBE
· INPUT PROTECTION DI

HS-751V(B)/HS-751V(GY) TRANSMITTER REMOTE CONTROLLER

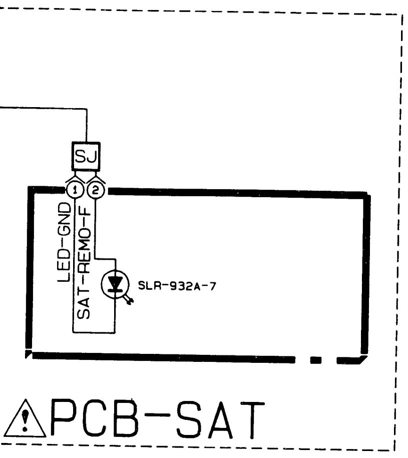

IC1
M34232M4
-111FP
1 NC
2 D2
3 D1
4 D0
5 F3
6 F2
7 F1
8 F0
9 NC
10 G3
11 G2
12 G1
13 G0
14 NC
15 CNVss
16 Xout
17 Xin
18 Vss
NC 36
D3 35
D4 34
D5 33
D6 32
D7 31
D8/CNT0 30
D9/CNT1 29
NC 28
D10/INT0 27
D11/INT1 26
D12 25
D13 24
NC 23
D14 22
RESET 21
C 20
Vdd 19
TV CHANNEL ▼
TV POWER
MONITOR
AV
VOLUME ▼
3
2
1
6
5
4
9
O.K.PROG.
8
SP/LP
7
SHOWVIEW VIDEO Plus+ G-CODE
PAUSE
0
REC
DAILY WEEKLY
TV CHANNEL ▲
FF
VCR POWER
REW
VOLUME ▲
MENU
JOG +
COUNTER RESET
PLAY/STOP
SHUTTLE ▶
DATA ON SCREEN
JOG -
CANCEL
SHUTTLE ◀
X1 910kHz
C5 100
C4 100
R4 1M
R1 220
Q1 2S /2S
R2 1.8
D1 SE303A
JP2
JP1
JP4
JP3
IC2 RH5VL20AA /S80720AN
OUT Vss
Vdd
C3 0.01
C2 0.33
R3 100k
C1 6.3V 100 μ

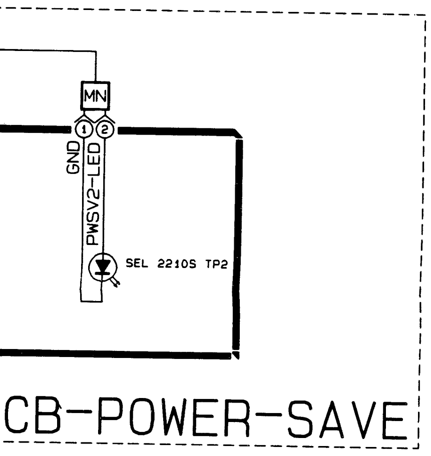
HS-751V(E)/HS-751V(IR) TRANSMITTER REMOTE CONTROLLER


IC1 M34236MJ-060GP
C1 47 μ 6.3V
D3
SE303A
R2 1.8
Q1
2SA1363 /2SA1314
R1 220
1 Vss
2 CNVss
3 RESET
4 X IN
5 X OUT
6 E
7 G0
8 G1
9 G2
10 G3
Vdd 20
CARR 19
D0 18
D1 17
D2 16
D3 15
D4 14
D5 13
D6 12
D7 11
X1 RESONATOR-CERA 3.14MHz
S1
S9
S17
S25
S49
JP1
S33
S2
S10
S18
S26
JP5
S50
JP3
S11
S19
S27
S51
JP2
S3
S4
S12
S20
S28
S5
S13
S21
S29
S53
S6
S14
S22
S30
S54
S7
S15
S23
S31
JP4
S55
S8
S16
S24
S32
S56
D1 DAN202K
D2 DAN202K

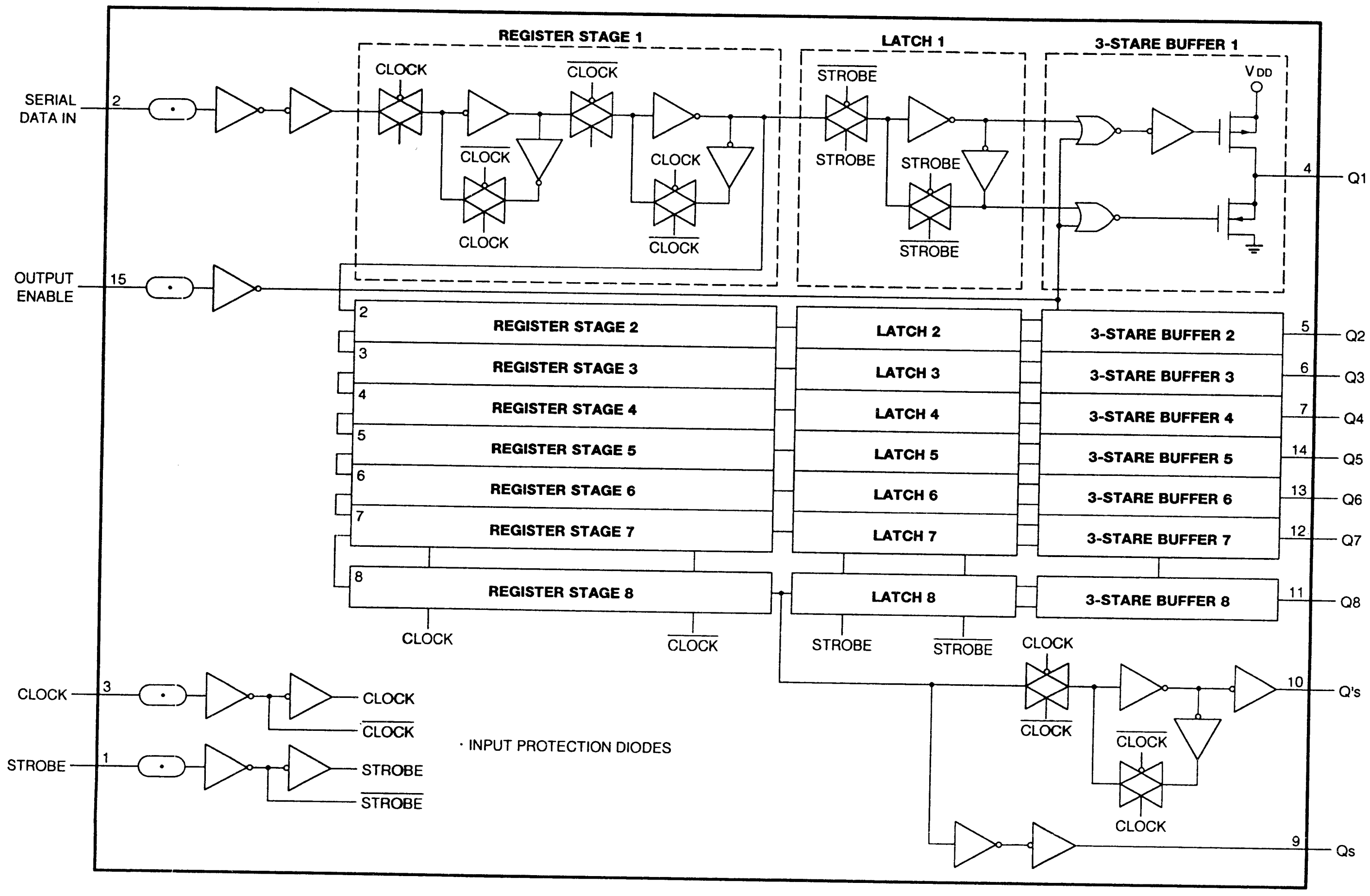
KEY NO.	FUNCTION
S1	VCR POWER
S2	CANCEL
S3	ENCODE
S4	3
S5	SHUTTLE/INDEX ▶
S6	2
S7	REC
S8	1
S9	PAUSE
S10	SP/LP
S11	9
S12	6
S13	8
S14	5
S15	7
S16	4
S17	O.K.PROG.
S18	TV CHANNEL ▲
S19	VIDEO Plus+/SHOWVIEW
S20	VOLUME ▲

KEY NO.
S21
S22
S23
S24
S25
S26
S27
S28
S29
S30
S31
S32
S33
S49
S50
S51
S53
S54
S55
S56


SJ
LED-GND
SAT-REMO-F
SLR-932A-7
⚠PCB-SAT


MN
GND
PWSV2-LED
SEL 2210S TP2
CB-POWER-SAVE

IC5A4 TC4094BF/MC14094BF/BU4094BCF

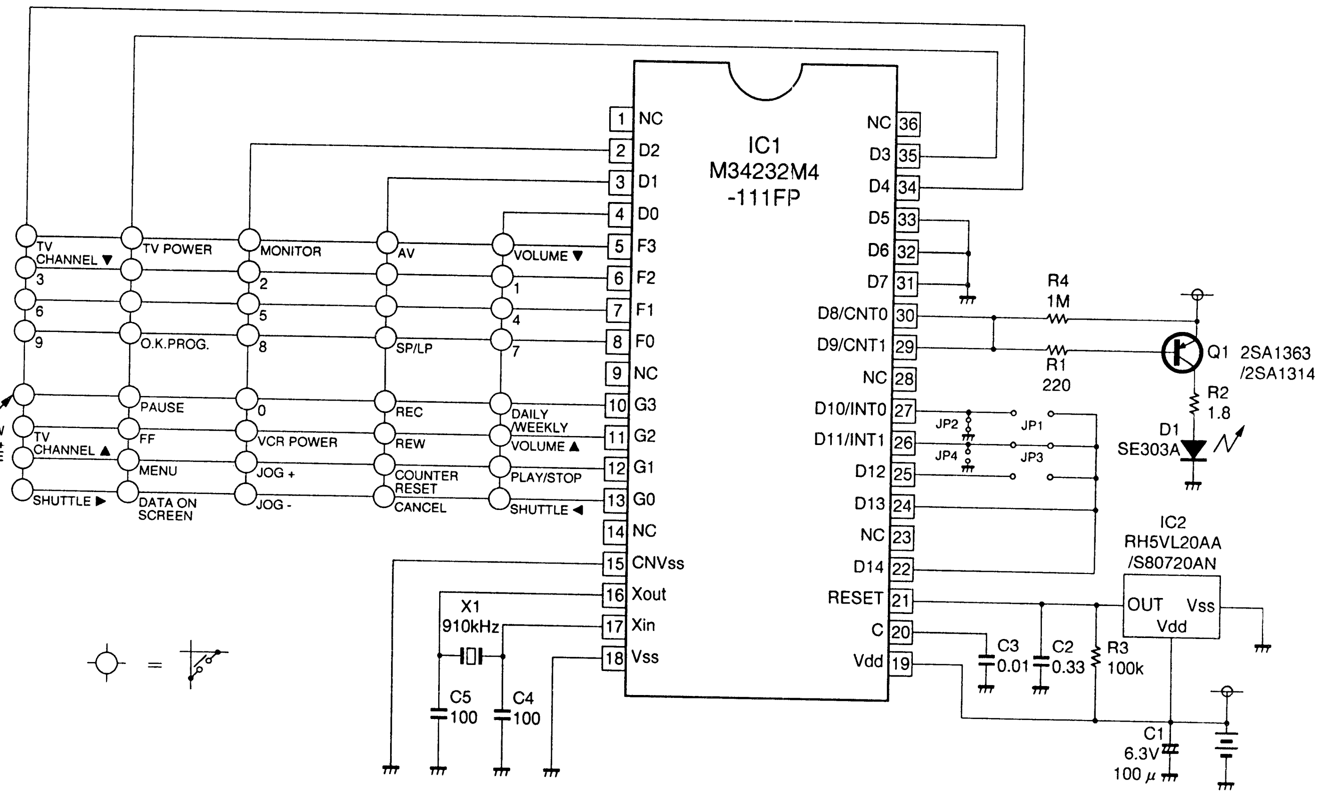

REGISTER STAGE 1
LATCH 1
3-STARE BUFFER 1
SERIAL DATA IN
OUTPUT ENABLE
CLOCK
STROBE
VDD
Q1
REGISTER STAGE 2
REGISTER STAGE 3
REGISTER STAGE 4
REGISTER STAGE 5
REGISTER STAGE 6
REGISTER STAGE 7
REGISTER STAGE 8
LATCH 2
LATCH 3
LATCH 4
LATCH 5
LATCH 6
LATCH 7
LATCH 8
3-STARE BUFFER 2
3-STARE BUFFER 3
3-STARE BUFFER 4
3-STARE BUFFER 5
3-STARE BUFFER 6
3-STARE BUFFER 7
3-STARE BUFFER 8
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q's
Qs
· INPUT PROTECTION DIODES

✱ TRUE TABLE

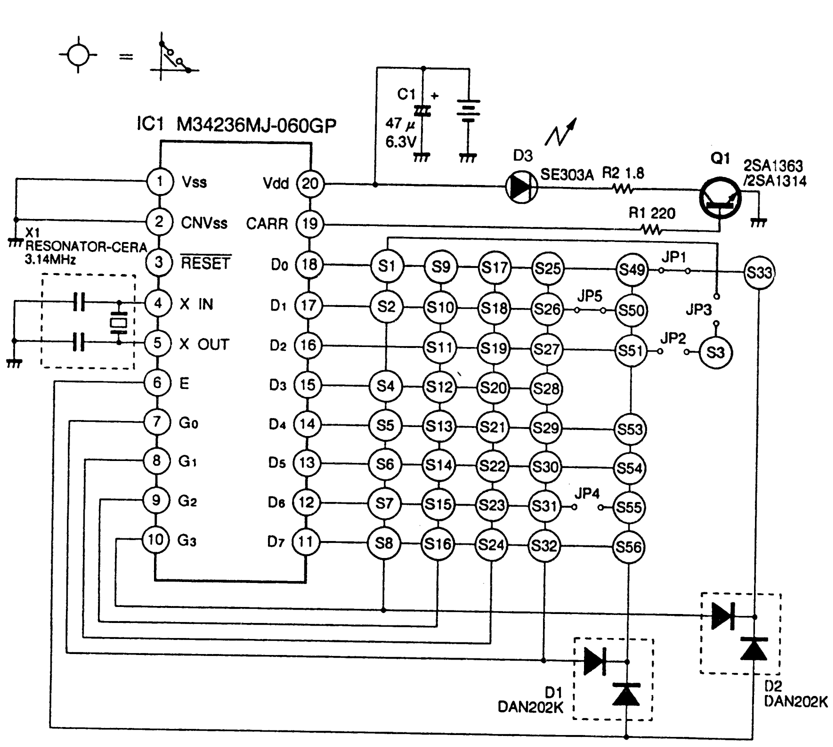
CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				QI	QN	QS	Q'S
↑	0	×	×	3S	3S	Q7	NO CHG.
↓	0	×	×	3S	3S	NO CHG.	Q7
↑	1	0	×	NO CHG.	NO CHG.	Q7	NO CHG.
↑	1	1	0	0	QN-1	Q7	NO CHG.
↑	1	1	1	1	QN-1	Q7	NO CHG.
↓	1	1	1	NO CHG.	NO CHG.	NO CHG.	Q7

3S = Three-Stare
× = Don't Care
At the positive clock edge.
Information in the 7th shift register stage is transferred to Q8 and QS.

HS-751V(B)/HS-751V(GY) TRANSMITTER REMOTE CONTROLLER


IC1
M34232M4
-111FP
NC
D2
D1
D0
F3
F2
F1
F0
G3
G2
G1
G0
CNVss
Xout
Xin
Vss
D3
D4
D5
D6
D7
D8/CNT0
D9/CNT1
D10/INT0
D11/INT1
D12
D13
D14
RESET
C
Vdd
TV CHANNEL ▼
TV POWER
MONITOR
AV
VOLUME ▼
O.K.PROG.
SP/LP
PAUSE
REC
DAILY WEEKLY
VOLUME ▲
TV CHANNEL ▲
FF
VCR POWER
REW
MENU
JOG +
COUNTER RESET
PLAY/STOP
SHUTTLE ▶
DATA ON SCREEN
JOG -
CANCEL
SHUTTLE ◀
R4 1M
R1 220
Q1 2SA1363 /2SA1314
R2 1.8
D1 SE303A
JP1
JP2
JP3
JP4
IC2 RH5VL20AA /S80720AN
OUT Vss Vdd
X1 910kHz
C5 100
C4 100
C3 0.01
C2 0.33
R3 100k
C1 6.3V 100 μ

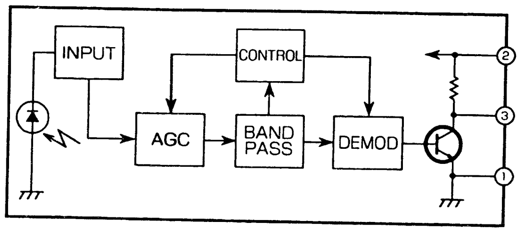
HS-751V(E)/HS-751V(IR) TRANSMITTER REMOTE CONTROLLER


IC1 M34236MJ-060GP
C1 47 μ 6.3V
D3 SE303A
R2 1.8
R1 220
Q1 2SA1363 /2SA1314
Vss
CNVss
RESET
X IN
X OUT
E
G0
G1
G2
G3
Vdd
CARR
D0
D1
D2
D3
D4
D5
D6
D7
X1 RESONATOR-CERA 3.14MHz
JP1
JP2
JP3
JP4
JP5
D1 DAN202K
D2 DAN202K

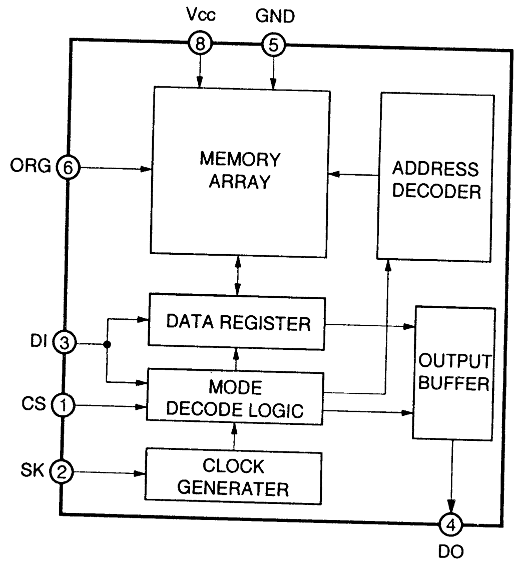
KEY NO.	FUNCTION
S1	VCR POWER
S2	CANCEL
S3	ENCODE
S4	3
S5	SHUTTLE/INDEX ▶
S6	2
S7	REC
S8	1
S9	PAUSE
S10	SP/LP
S11	9
S12	6
S13	8
S14	5
S15	7
S16	4
S17	O.K.PROG.
S18	TV CHANNEL ▲
S19	VIDEO Plus+/SHOWVIEW
S20	VOLUME ▲

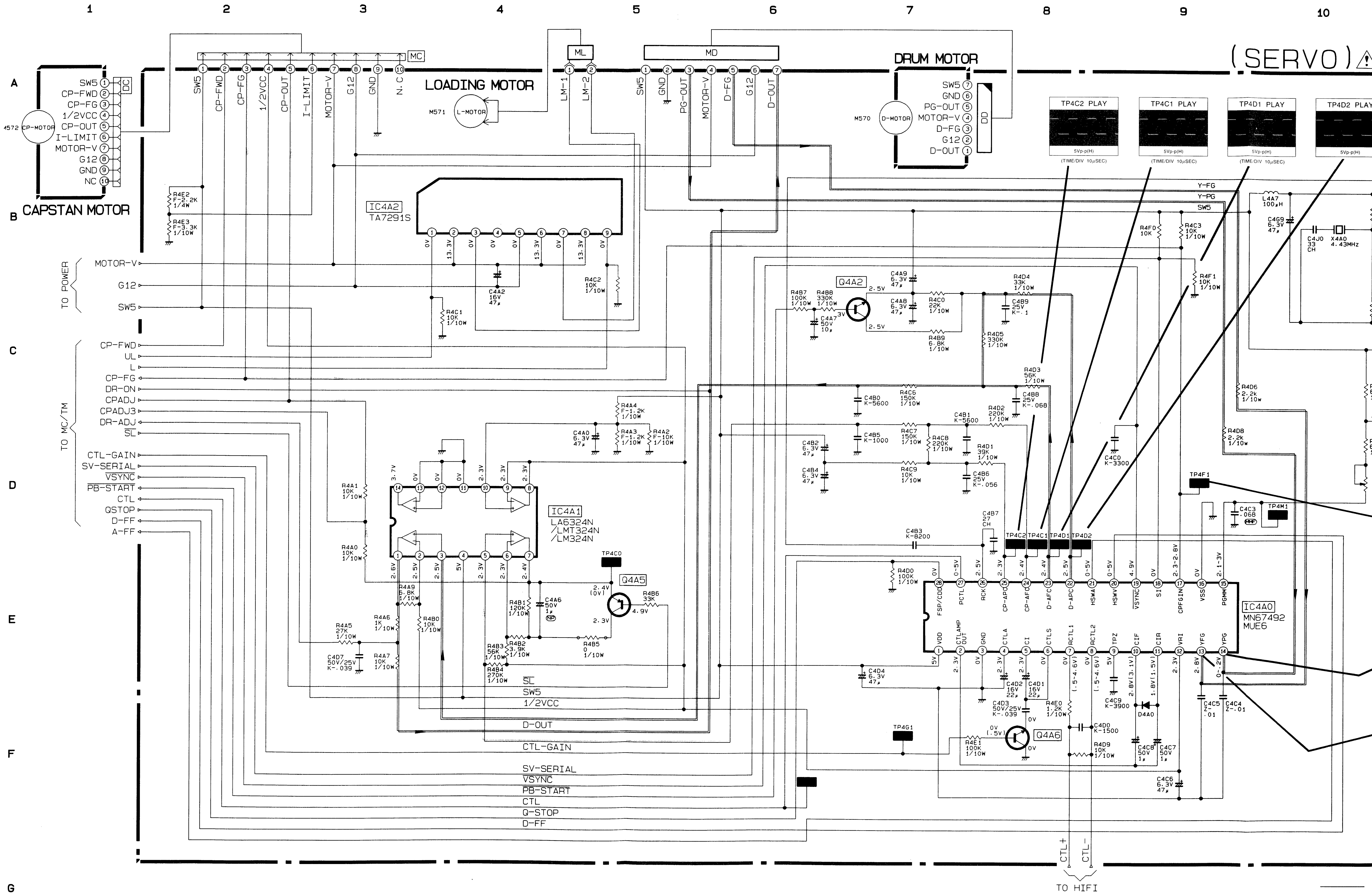
KEY NO.	FUNCTION
S21	0
S22	TV POWER
S23	- / - - , DAILY/WEEKLY
S24	SHUTTLE/INDEX ◀
S25	FF
S26	TV CHANNEL ▼
S27	PLAY/STOP
S28	VOLUME ▼
S29	JOG +
S30	AV
S31	REW
S32	JOG -
S33	COUNTER RESET
S49	
S50	MONITOR
S51	MENU
S53	EJECT
S54	
S55	1-2-3 MENU
S56	DATA ON SCREEN

Z5A0 TFMX 5330


INPUT
CONTROL
AGC
BAND PASS
DEMOD
②
③
①

IC5A1 CAT35C104P/AT93C66–10PC
IC5A2 AT93C56–10PC


Vcc ⑧
GND ⑤
ORG ⑥
MEMORY ARRAY
ADDRESS DECODER
DATA REGISTER
DI ③
CS ①
MODE DECODE LOGIC
OUTPUT BUFFER
SK ②
CLOCK GENERATOR
④ DO


(SERVO)
1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
CAPSTAN MOTOR
CP-MOTOR
SW5
CP-FWD
CP-FG
1/2VCC
CP-OUT
I-LIMIT
MOTOR-V
G12
GND
NC
DC
MC
N.C
LOADING MOTOR
M571
L-MOTOR
ML
LM-1
LM-2
MD
D-FG
D-OUT
PG-OUT
DRUM MOTOR
M570
D-MOTOR
DD
TP4C2 PLAY
TP4C1 PLAY
TP4D1 PLAY
TP4D2 PLAY
5Vp-p(H)
(TIME/DIV 10μSEC)
IC4A2
TA7291S
IC4A1
LA6324N
/LMT324N
/LM324N
IC4A0
MN67492
MUE6
Q4A2
Q4A5
Q4A6
D4A0
X4A0
4.43MHz
L4A7
100μH
TO POWER
TO MC/TM
CP-FWD
UL
L
CP-FG
DR-ON
CPADJ
CPADJ3
DR-ADJ
SL
CTL-GAIN
SV-SERIAL
VSYNC
PB-START
CTL
QSTOP
D-FF
A-FF
SW5
1/2VCC
D-OUT
CTL-GAIN
SV-SERIAL
VSYNC
PB-START
CTL
Q-STOP
D-FF
Y-FG
Y-PG
SW5
CTL+
CTL-
TO HIFI
TP4C0
TP4F1
TP4M1
TP4G1
FSP/CDD
PCTL
RCK
CP-AFC
CP-AFC
D-AFC
D-APC
HSWA
HSWV
VSYNC
SI
CPFGIN
VSS
PGMM
VDD
CTLAMP OUT
GND
CTLA
CI
CTLS
RCTL1
RCTL2
TPZ
CIF
CIR
VRI
VFG
VPG
R4E2 F-2.2K 1/4W
R4E3 F-3.3K 1/10W
R4C1 10K 1/10W
R4C2 10K 1/10W
C4A2 16V 47μ
R4A1 10K 1/10W
R4A0 10K 1/10W
R4A4 F-1.2K 1/10W
R4A3 F-1.2K 1/10W
R4A2 F-10K 1/10W
C4A0 6.3V 47μ
R4A9 6.8K 1/10W
R4A6 1K 1/10W
R4B0 10K 1/10W
R4A5 27K 1/10W
C4D7 50V/25V K-.039
R4A7 10K 1/10W
R4B1 120K 1/10W
C4A6 50V 1μ NP
R4B6 33K
R4B3 56K 1/10W
R4B2 3.9K 1/10W
R4B4 270K 1/10W
R4B5 0 1/10W
R4B7 100K 1/10W
R4B8 330K 1/10W
C4A7 50V 10μ
C4A9 6.3V 47μ
C4A8 6.3V 47μ
R4C0 22K 1/10W
R4B9 6.8K 1/10W
R4D4 33K 1/10W
C4B9 25V K-.1
R4D5 330K 1/10W
R4D3 56K 1/10W
C4B8 25V K-.068
C4B0 K-5600
R4C6 150K 1/10W
C4B1 K-5600
R4D2 220K 1/10W
C4B5 K-1000
R4C7 150K 1/10W
R4C8 220K 1/10W
C4B2 6.3V 47μ
R4D1 39K 1/10W
C4B4 6.3V 47μ
R4C9 10K 1/10W
C4B6 25V K-.056
C4B7 27 CH
C4B3 K-8200
C4C0 K-3300
R4D0 100K 1/10W
R4F0 10K
R4C3 10K 1/10W
R4F1 10K 1/10W
C4G9 6.3V 47μ
C4J0 33 CH
R4D6 2.2K 1/10W
R4D8 2.2K 1/10W
C4C3 .068 MF
C4D4 6.3V 47μ
C4D2 16V 22μ
C4D1 16V 22μ
C4D3 50V/25V K-.039
R4E0 1.2K 1/10W
C4C9 K-3900
C4D0 K-1500
R4D9 10K 1/10W
C4C8 50V 1μ
C4C7 50V 1μ
C4C5 Z-.01
C4C4 Z-.01
C4C6 6.3V 47μ
R4E1 100K 1/10W

8
9
10
11
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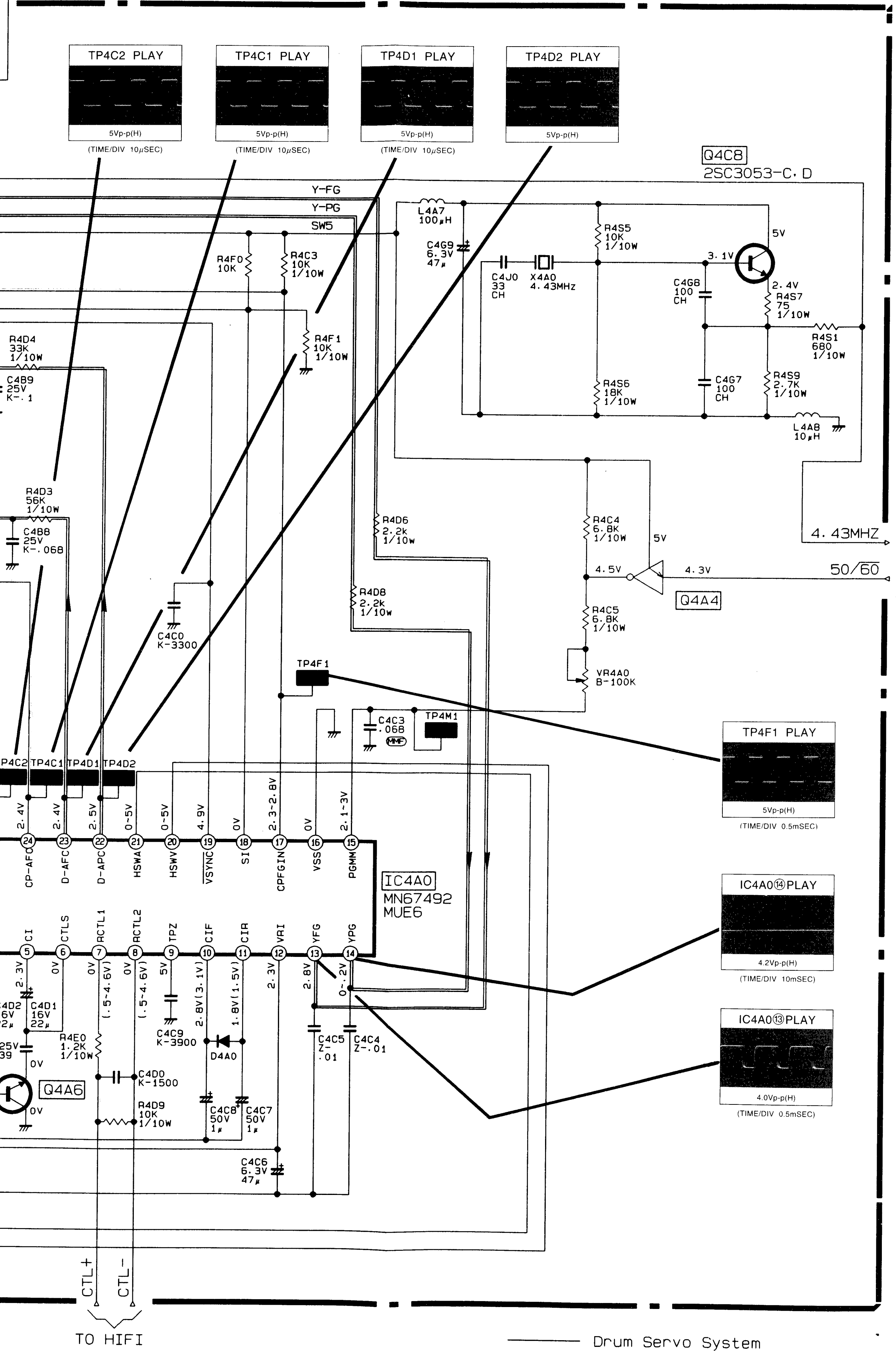
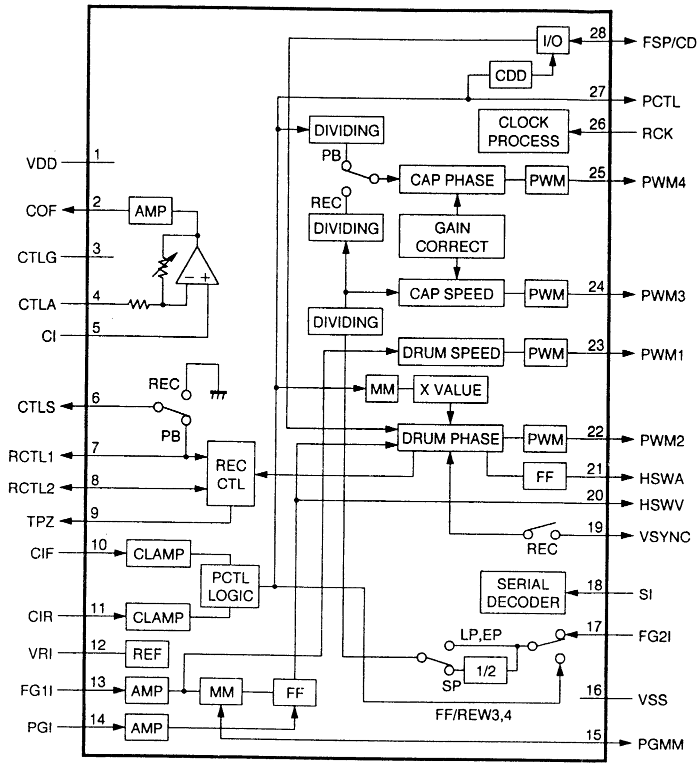
13
14
15
16
17
18

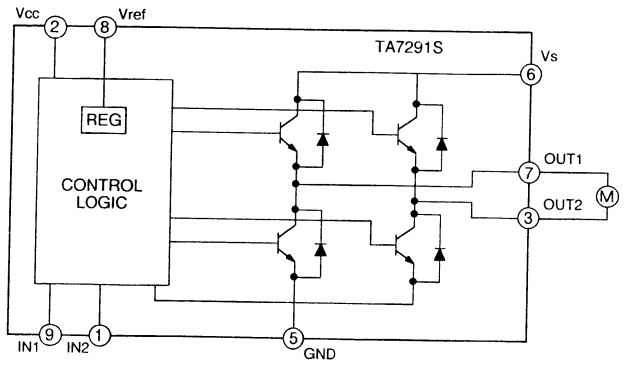
(SERVO)⚠PCB-MAIN


TP4C2 PLAY
TP4C1 PLAY
TP4D1 PLAY
TP4D2 PLAY
5Vp-p(H)
(TIME/DIV 10μSEC)
Q4C8
2SC3053-C.D
Y-FG
Y-PG
SW5
L4A7 100μH
C4G9 6.3V 47μ
C4J0 33 CH
X4A0 4.43MHz
R4F0 10K
R4C3 10K 1/10W
R4S5 10K 1/10W
3.1V
5V
2.4V
C4G8 100 CH
R4S7 75 1/10W
R4S1 680 1/10W
R4F1 10K 1/10W
R4D4 33K 1/10W
C4B9 25V K-.1
R4S6 18K 1/10W
C4G7 100 CH
R4S9 2.7K 1/10W
L4A8 10μH
R4D3 56K 1/10W
C4B8 25V K-.068
R4D6 2.2k 1/10W
R4C4 6.8K 1/10W
5V
4.5V
4.3V
4.43MHZ
50/60
TO YC/CG
Q4A4
R4D8 2.2k 1/10W
C4C0 K-3300
R4C5 6.8K 1/10W
VR4A0 B-100K
TP4F1
C4C3 .068
TP4M1
TP4F1 PLAY
5Vp-p(H)
(TIME/DIV 0.5mSEC)
TP4C2 TP4C1 TP4D1 TP4D2
2.4V 2.4V 2.5V 0-5V 0-5V 4.9V 0V 2.3-2.8V 0V 2.1-3V
CP-AFC D-AFC D-APC HSWA HSWV VSYNC SI CPFGIN VSS PGMM
IC4A0
MN67492
MUE6
CI CTLS RCTL1 RCTL2 TPZ CIF CIR VRI YFG YPG
2.3V 0V (.5-4.6V) 0V (.5-4.6V) 5V 2.8V(3.1V) 1.8V(1.5V) 2.3V 2.8V 0-.2V
IC4A0⑭PLAY
4.2Vp-p(H)
(TIME/DIV 10mSEC)
IC4A0⑬PLAY
4.0Vp-p(H)
(TIME/DIV 0.5mSEC)
C4D2 16V 22μ
C4D1 16V 22μ
R4E0 1.2K 1/10W
C4D0 K-1500
C4C9 K-3900
D4A0
C4C5 Z-.01
C4C4 Z-.01
Q4A6
0V
R4D9 10K 1/10W
C4C8 50V 1μ
C4C7 50V 1μ
C4C6 6.3V 47μ
CTL+
CTL-
TO HIFI

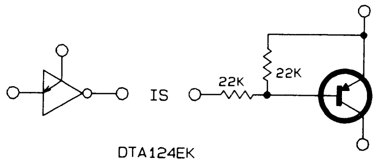
IC4A0 MN67492-MUE6


VDD 1
COF 2
CTLG 3
CTLA 4
CI 5
CTLS 6
RCTL1 7
RCTL2 8
TPZ 9
CIF 10
CIR 11
VRI 12
FG1I 13
PGI 14
AMP
REC
PB
REC CTL
CLAMP
PCTL LOGIC
CLAMP
REF
AMP
MM
FF
AMP
I/O
CDD
DIVIDING
CLOCK PROCESS
CAP PHASE
PWM
DIVIDING
GAIN CORRECT
CAP SPEED
PWM
DIVIDING
DRUM SPEED
PWM
MM
X VALUE
DRUM PHASE
PWM
FF
REC
SERIAL DECODER
LP,EP
SP
1/2
FF/REW3,4
28 FSP/CDD
27 PCTL
26 RCK
25 PWM4
24 PWM3
23 PWM1
22 PWM2
21 HSWA
20 HSWV
19 VSYNC
18 SI
17 FG2I
16 VSS
15 PGMM

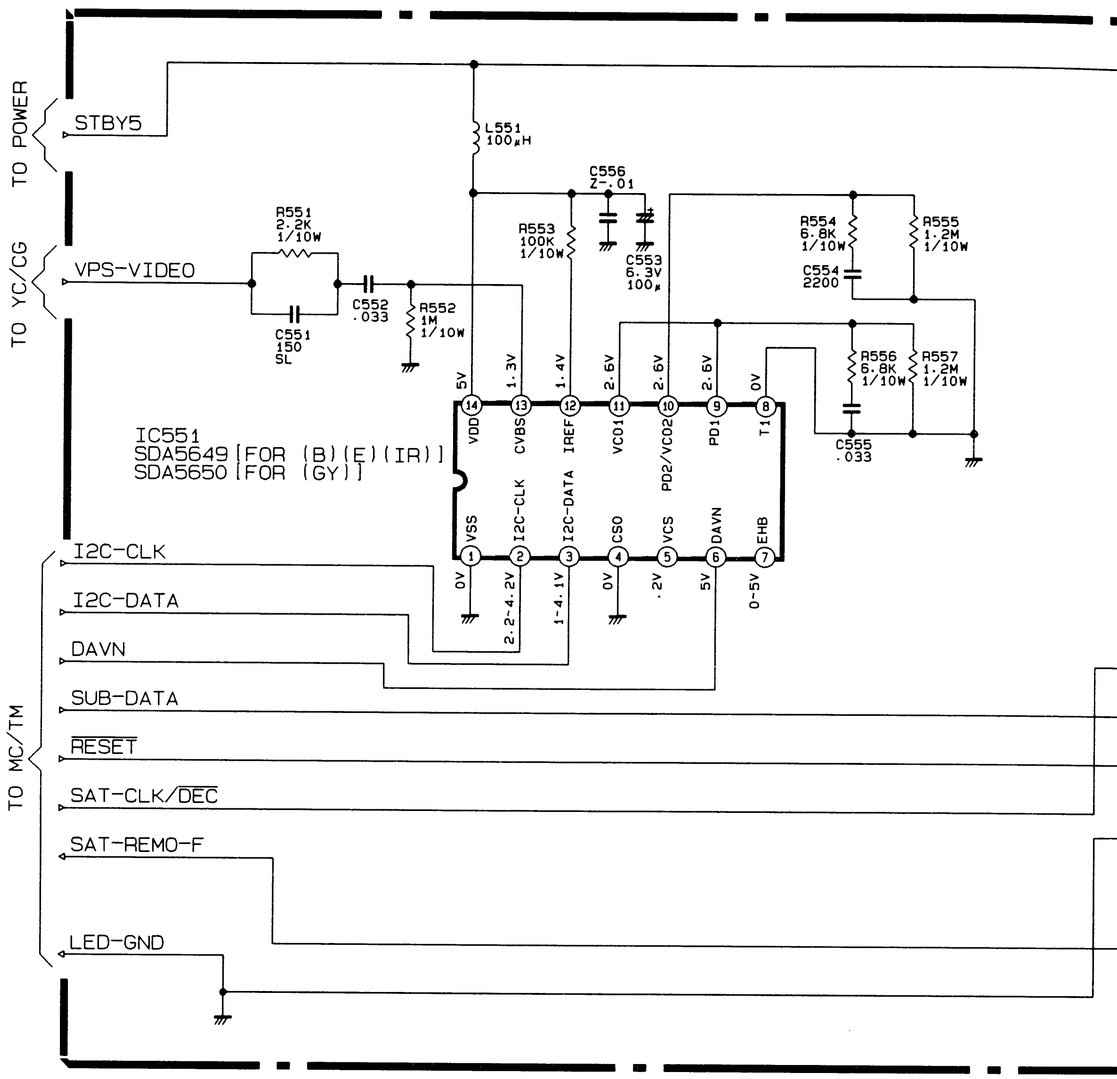
IC4A2 TA7291S


Vcc
Vref
TA7291S
Vs
REG
CONTROL LOGIC
OUT1
OUT2
M
IN1
IN2
GND
2
8
6
7
3
9
1
5

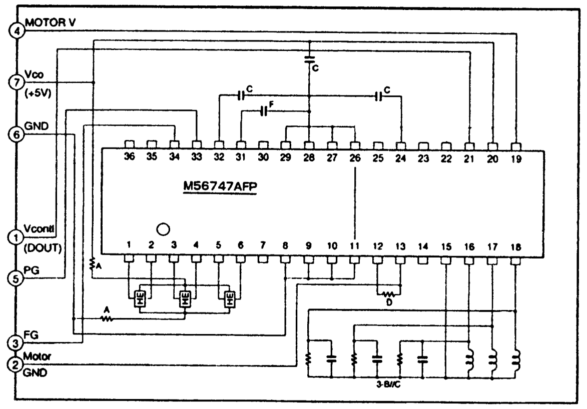
All diodes are 1SS252/1SS131 unless otherwise specified.
All NPN transistors are 2SC3052-E·F unless otherwise specified.
All PNP transistors are 2SA1235-E·F unless otherwise specified.



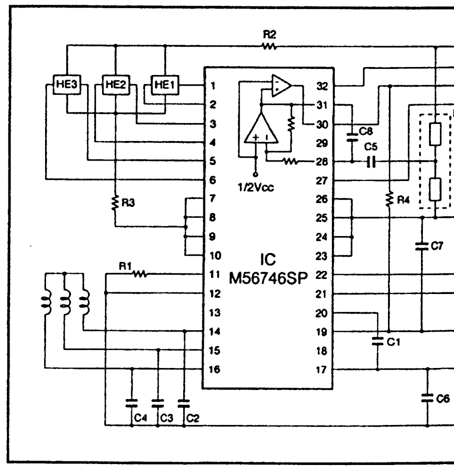
DTA124EK


TO POWER
STBY5
TO YC/CG
VPS-VIDEO
L551 100μH
R551 2.2K 1/10W
C551 150 SL
C552 .033
R552 1M 1/10W
R553 100K 1/10W
C556 Z-.01
C553 6.3V 100μ
R554 6.8K 1/10W
R555 1.2M 1/10W
C554 2200
R556 6.8K 1/10W
R557 1.2M 1/10W
C555 .033
5V 1.3V 1.4V 2.6V 2.6V 2.6V 0V
VDD CVBS IREF VCO1 PD2/VCO2 PD1 T1
IC551
SDA5649 [FOR (B)(E)(IR)]
SDA5650 [FOR (GY)]
VSS I2C-CLK I2C-DATA CSO VCS DAVN EHB
0V 2.2-4.2V 1-4.1V 0V .2V 5V 0-5V
I2C-CLK
I2C-DATA
DAVN
SUB-DATA
RESET
SAT-CLK/DEC
SAT-REMO-F
LED-GND
TO MC/TM

DRUM MOTOR


MOTOR V
Vcc (+5V)
GND
Vcont (DOUT)
PG
FG
Motor GND
M56747AFP

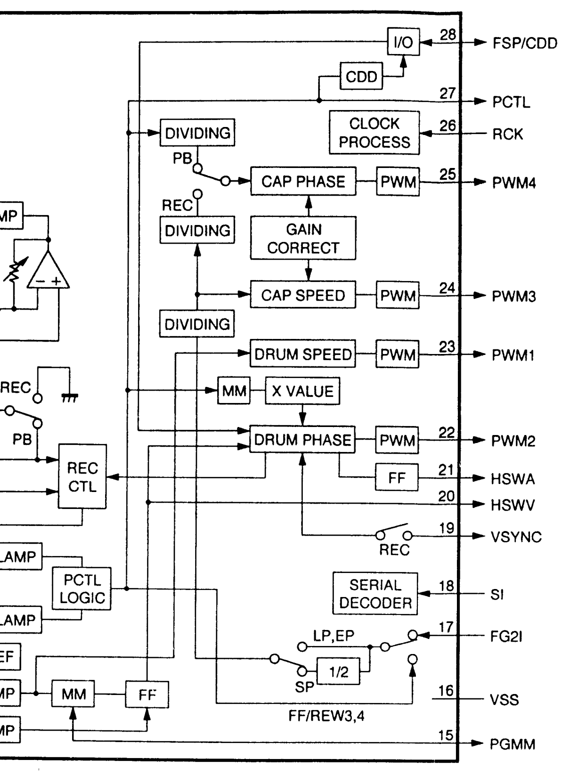
CAPSTAN MOTOR


HE3
HE2
HE1
R2
R3
R1
1/2Vcc
IC
M56746SP
C5
C6
C7
C1
C4
C3
C2
R4

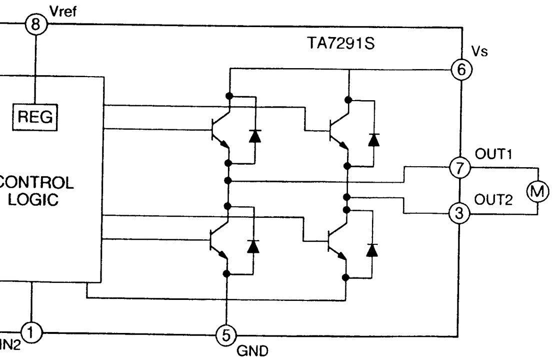
—— Drum Servo System
Capstan Servo System

(VPS/SAT) ⚠PCB-MAIN

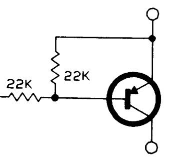
MN67492-MUE6

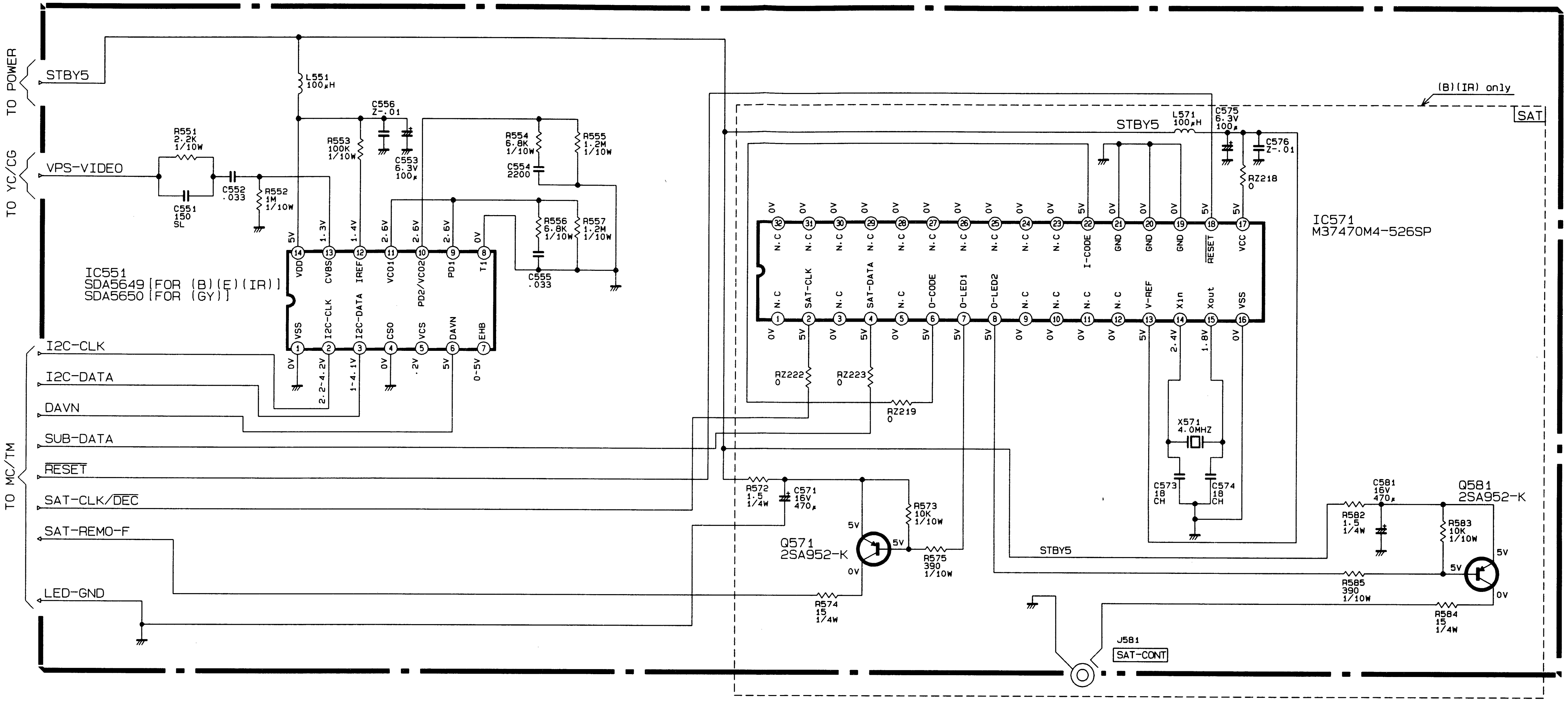

I/O
CDD
DIVIDING
CLOCK PROCESS
PB
REC
CAP PHASE
PWM
GAIN CORRECT
CAP SPEED
DRUM SPEED
MM
X VALUE
DRUM PHASE
FF
REC CTL
PCTL LOGIC
SERIAL DECODER
LP,EP
SP
1/2
FF/REW3,4
28 FSP/CDD
27 PCTL
26 RCK
25 PWM4
24 PWM3
23 PWM1
22 PWM2
21 HSWA
20 HSWV
19 VSYNC
18 SI
17 FG2I
16 VSS
15 PGMM

TA7291S

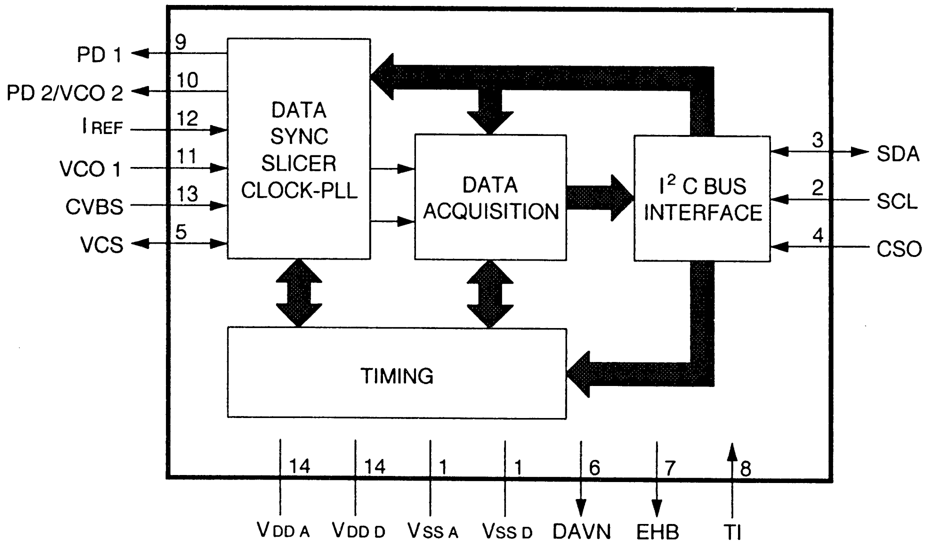

Vref
8
TA7291S
Vs
6
REG
CONTROL LOGIC
7 OUT1
3 OUT2
M
1
5 GND

S252/1SS131 unless otherwise specified.
ors are 2SC3052-E.F unless otherwise specified.
ors are 2SA1235-E.F unless otherwise specified.

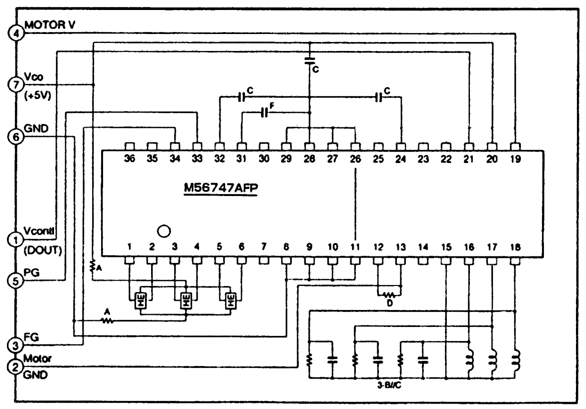



TO POWER
STBY5
TO YC/CG
VPS-VIDEO
TO MC/TM
I2C-CLK
I2C-DATA
DAVN
SUB-DATA
RESET
SAT-CLK/DEC
SAT-REMO-F
LED-GND
L551 100μH
C556 Z-.01
R551 2.2K 1/10W
C551 150 SL
C552 .033
R552 1M 1/10W
R553 100K 1/10W
C553 6.3V 100μ
R554 6.8K 1/10W
R555 1.2M 1/10W
C554 2200
R556 6.8K 1/10W
R557 1.2M 1/10W
C555 .033
IC551
SDA5649 [FOR (B)(E)(IR)]
SDA5650 [FOR (GY)]
VDD CVBS IREF VCO1 PD2/VCO2 PD1 TI
VSS I2C-CLK I2C-DATA CSO VCS DAVN EHB
(B)(IR) only
SAT
STBY5
L571 100μH
C575 6.3V 100μ
C576 Z-.01
RZ218 0
IC571
M37470M4-526SP
N.C N.C N.C N.C N.C N.C N.C N.C N.C I-CODE GND GND GND RESET VCC
N.C SAT-CLK N.C SAT-DATA N.C O-CODE O-LED1 O-LED2 N.C N.C N.C N.C V-REF Xin Xout VSS
RZ222 0
RZ223 0
RZ219 0
X571 4.0MHZ
C573 18 CH
C574 18 CH
R572 1.5 1/4W
C571 16V 470μ
R573 10K 1/10W
Q571 2SA952-K
R575 390 1/10W
R574 15 1/4W
C581 16V 470μ
R582 1.5 1/4W
Q581 2SA952-K
R583 10K 1/10W
R585 390 1/10W
R584 15 1/4W
J581
SAT-CONT

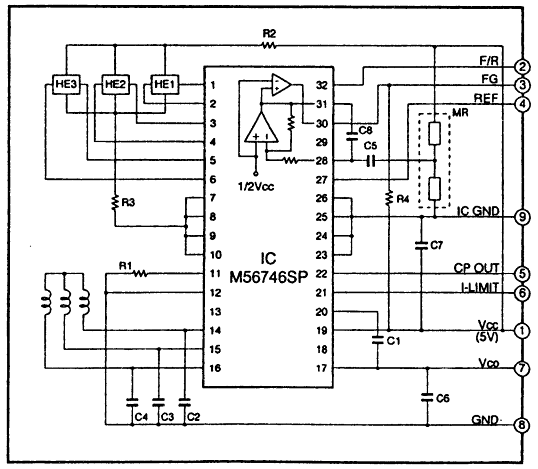
IC551 SDA5649/SDA5650


PD 1 9
PD 2/VCO 2 10
I REF 12
VCO 1 11
CVBS 13
VCS 5
DATA SYNC SLICER CLOCK-PLL
DATA ACQUISITION
I2 C BUS INTERFACE
TIMING
3 SDA
2 SCL
4 CSO
14 VDD A
14 VDD D
1 VSS A
1 VSS D
6 DAVN
7 EHB
8 TI

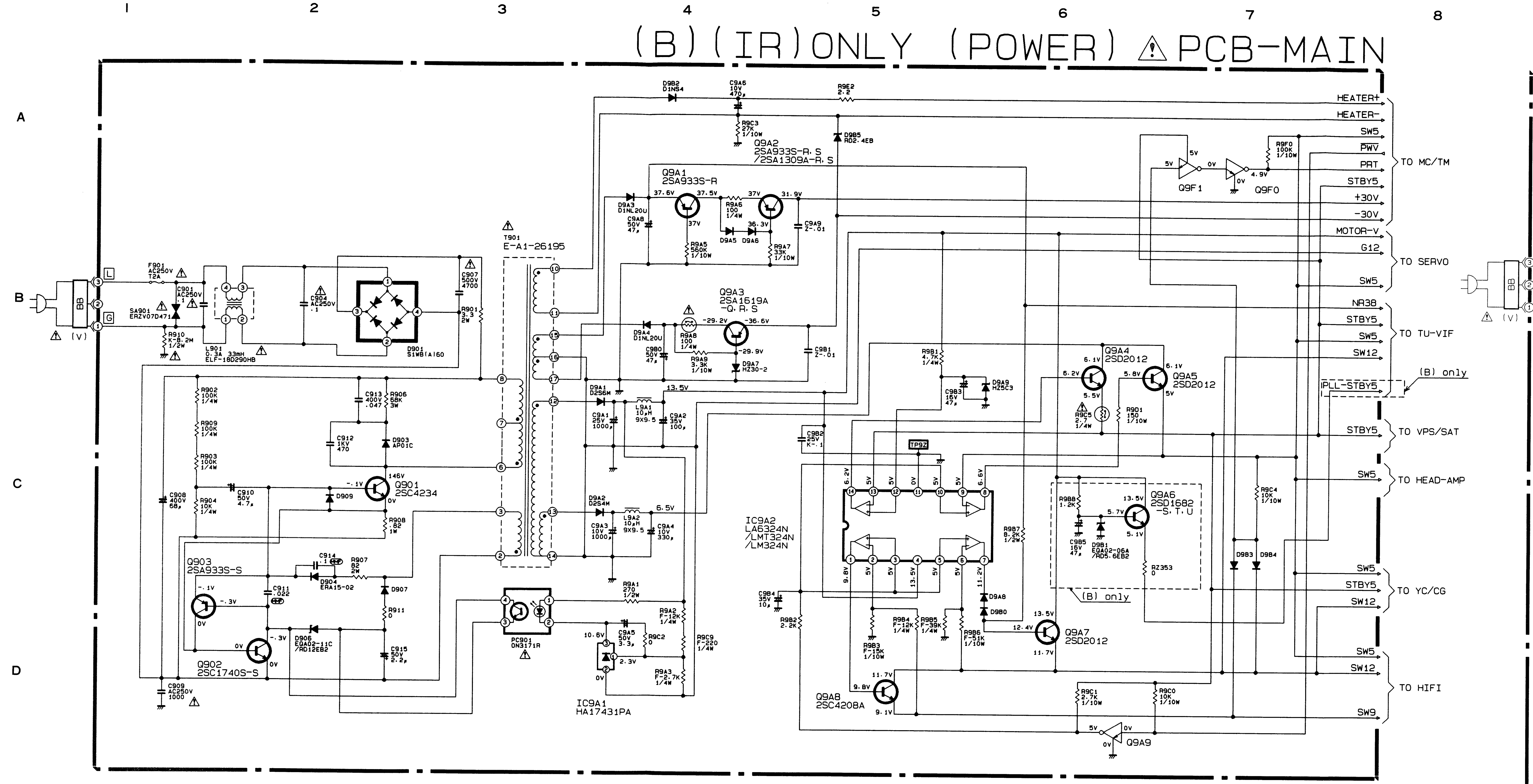
DRUM MOTOR


4 MOTOR V
7 Vcc (+5V)
6 GND
M56747AFP
1 Vcont (DOUT)
5 PG
3 FG
2 Motor GND
3.8VC

CAPSTAN MOTOR

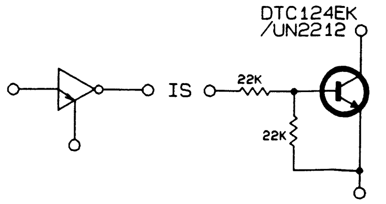

R2
HE3 HE2 HE1
1/2Vcc
R3
R1
IC M56746SP
C8 C5 C7 C1 C6
C4 C3 C2
R4
MR
F/R 2
FG 3
REF 4
IC GND 9
CP OUT 5
I-LIMIT 6
Vcc (5V) 1
Vco 7
GND 8

(B)(IR)ONLY (POWER) ⚠PCB-MAIN



1
2
3
4
5
6
7
8
A
B
C
D
BB
(V)
F901
AC250V
T2A
C901
AC250V
.1
SA901
ERZV07D471
R910
K-8.2M
1/2W
L901
0.3A 33mH
ELF-18D290HB
C904
AC250V
.1
D901
S1WB(A)60
C907
500V
4700
R901
3.3
2W
T901
E-A1-26195
R902
100K
1/4W
R909
100K
1/4W
R903
100K
1/4W
R904
10K
1/4W
C908
400V
68μ
C913
400V
.047
R906
68K
3W
C912
1KV
470
D903
AP01C
C910
50V
4.7μ
D909
Q901
2SC4234
146V
-.1V
0V
R908
.82
1W
Q903
2SA933S-S
C914
.1
R907
82
2W
D904
ERA15-02
D907
C911
.022
R911
0
D906
EQA02-11C
/RD12EB2
C915
50V
2.2μ
Q902
2SC1740S-S
C909
AC250V
1000
PC901
ON3171R
D9B2
D1NS4
C9A6
10V
470μ
R9E2
2.2
R9C3
27K
1/10W
D9B5
RD2.4EB
Q9A2
2SA933S-R, S
/2SA1309A-R, S
Q9A1
2SA933S-R
D9A3
D1NL20U
C9A8
50V
47μ
37.6V
37.5V
37V
31.9V
R9A6
100
1/4W
36.3V
D9A5
D9A6
C9A9
Z-.01
R9A5
560K
1/10W
R9A7
33K
1/10W
Q9A3
2SA1619A
-Q, R, S
-29.2V
-36.6V
D9A4
D1NL20U
R9A8
100
1/4W
R9A9
3.3K
1/10W
-29.9V
D9A7
HZ30-2
C9B0
50V
47μ
C9B1
Z-.01
D9A1
D2S6M
13.5V
L9A1
10μH
9X9.5
C9A1
25V
1000μ
C9A2
35V
100μ
D9A2
D2S4M
6.5V
L9A2
10μH
9X9.5
C9A3
10V
1000μ
C9A4
10V
330μ
R9A1
270
1/2W
R9A2
F-12K
1/4W
R9C9
F-220
1/4W
10.6V
C9A5
50V
3.3μ
R9C2
0
2.3V
R9A3
F-2.7K
1/4W
IC9A1
HA17431PA
R9B1
4.7K
1/4W
C9B3
16V
47μ
D9A9
HZ5C3
C9B2
25V
K-.1
TP9Z
IC9A2
LA6324N
/LMT324N
/LM324N
6.2V
5V
0V
6.6V
9.8V
13.5V
11.2V
C9B4
35V
10μ
R9B2
2.2K
R9B3
F-15K
1/10W
R9B4
F-12K
1/4W
R9B5
F-39K
1/4W
R9B6
F-51K
1/10W
D9A8
D9B0
R9B7
8.2K
1/2W
Q9A8
2SC4208A
11.7V
9.1V
Q9A7
2SD2012
12.4V
Q9A4
2SD2012
6.1V
6.2V
5.5V
Q9A5
2SD2012
5.8V
R9C5
2.7
1/4W
R9D1
150
1/10W
Q9A6
2SD1682
-S, T, U
R9B8
1.2K
5.7V
5.1V
C9B5
16V
47μ
D9B1
EQA02-06A
/RD5.6EB2
RZ353
0
(B) only
R9C4
10K
1/10W
D9B3
D9B4
R9C1
2.7K
1/10W
R9C0
10K
1/10W
Q9A9
Q9F1
Q9F0
R9F0
100K
1/10W
4.9V
HEATER+
HEATER-
SW5
PWV
PRT
STBY5
+30V
-30V
TO MC/TM
MOTOR-V
G12
TO SERVO
NR38
SW12
TO TU-VIF
PLL-STBY5
TO VPS/SAT
TO HEAD-AMP
TO YC/CG
TO HIFI
SW9

ALL DIODE ARE 1SS252/1SS131 UNLESS
OTHERWISE SPECIFIED.

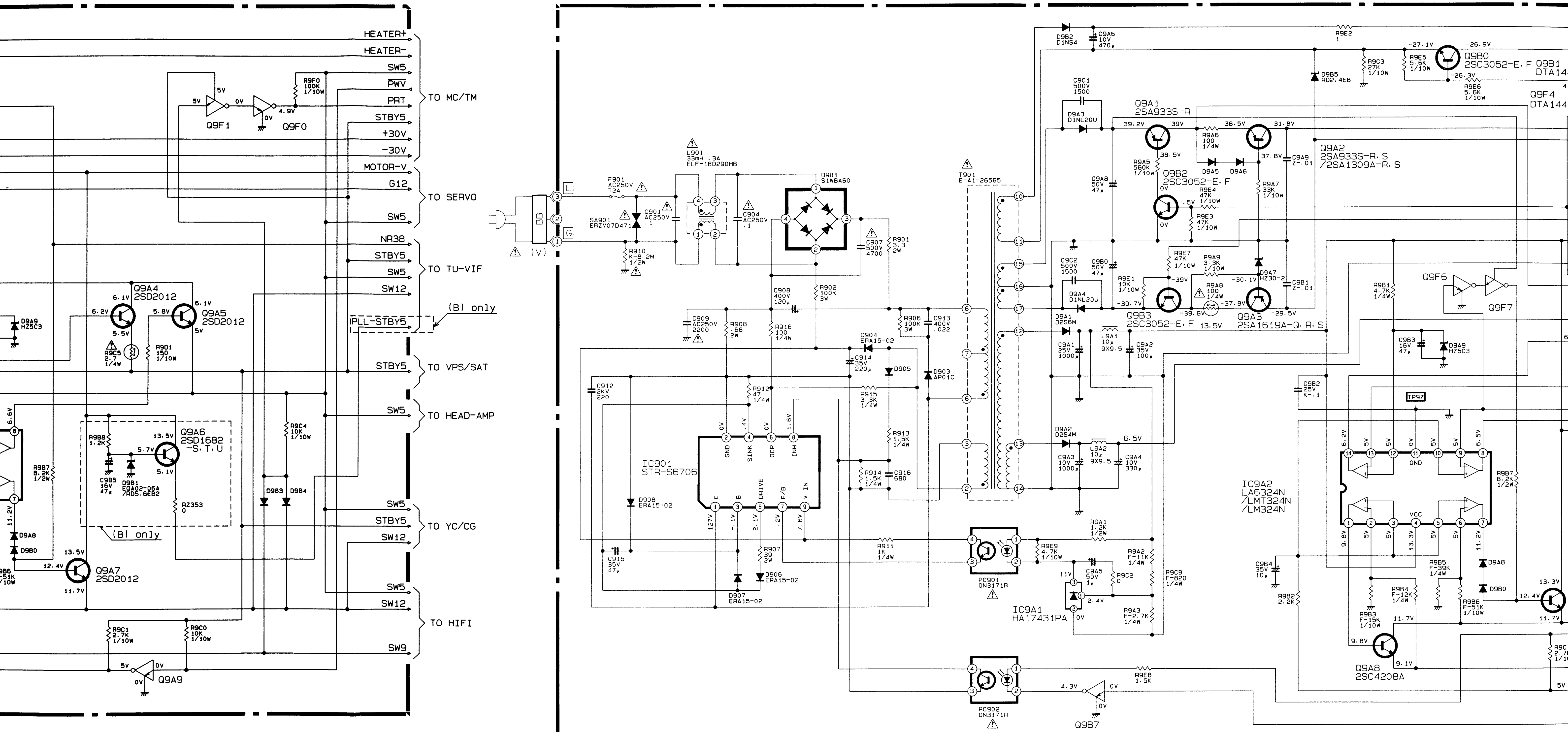


IS
DTC124EK
/UN2212
22K
22K

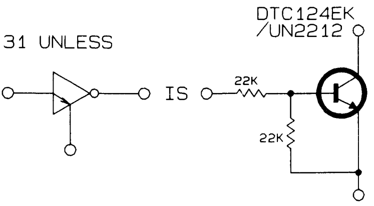
6 7 8 9 10 11 12 13

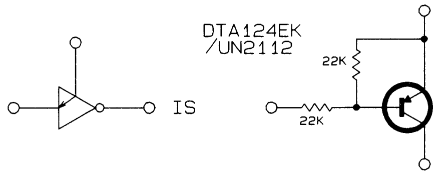
POWER) ⚠PCB-MAIN

(E)(GY)ONLY (

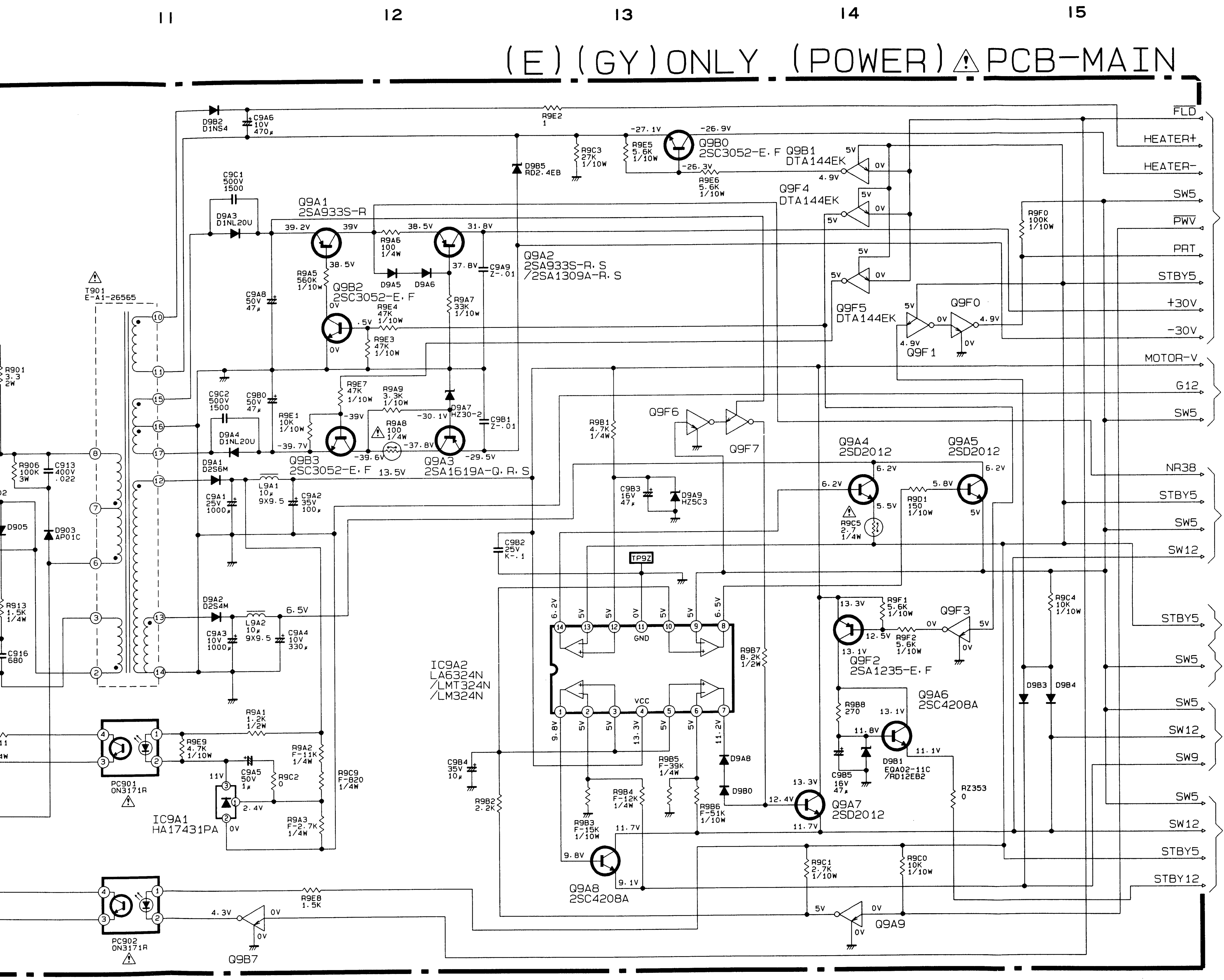

HEATER+
HEATER-
SW5
PWV
PRT
STBY5
+30V
-30V
TO MC/TM
MOTOR-V
G12
SW5
TO SERVO
NR38
STBY5
SW5
SW12
TO TU-VIF
PLL-STBY5
(B) only
STBY5
TO VPS/SAT
SW5
TO HEAD-AMP
SW5
STBY5
SW12
TO YC/CG
SW5
SW12
SW9
TO HIFI
Q9F1
Q9F0
R9F0 100K 1/10W
Q9A4 2SD2012
Q9A5 2SD2012
D9A9 HZ5C3
R9C5 2.7 1/4W
R9D1 150 1/10W
Q9A6 2SD1682 -S.T.U
R9B8 1.2K
C9B5 16V 47μ
D9B1 EQA02-06A /RD5.6EB2
RZ353 0
(B) only
R9C4 10K 1/10W
D9B3
D9B4
R9B7 8.2K 1/2W
D9A8
D9B0
Q9A7 2SD2012
R9C1 2.7K 1/10W
R9C0 10K 1/10W
Q9A9
L901 33mH .3A ELF-18D290HB
F901 AC250V T2A
SA901 ERZV07D471
R910 K-8.2M 1/2W
C901 AC250V .1
C904 AC250V .1
D901 S1WBA60
C907 500V 4700
R901 3.3 2W
BB
(V)
C909 AC250V 2200
R908 .68 2W
C908 400V 120μ
R916 100 1/4W
R902 100K 3W
R906 100K 3W
C913 400V .022
D904 ERA15-02
C914 35V 220μ
D905
D903 AP01C
C912 2KV 220
R912 47 1/4W
R915 3.3K 1/4W
R913 1.5K 1/4W
R914 1.5K 1/4W
C916 680
IC901 STR-S6706
GND SINK OCP INH
C B DRIVE F/B V IN
D908 ERA15-02
C915 35V 47μ
R907 39 2W
D906 ERA15-02
D907 ERA15-02
R911 1K 1/4W
T901 E-A1-26565
PC901 ON3171R
PC902 ON3171R
R9E9 4.7K 1/10W
R9A1 1.2K 1/2W
C9A5 50V 1μ
R9C2 0
IC9A1 HA17431PA
R9A2 F-11K 1/4W
R9A3 F-2.7K 1/4W
R9C9 F-820 1/4W
R9E8 1.5K
Q9B7
D9B2 D1NS4
C9A6 10V 470μ
C9C1 500V 1500
D9A3 D1NL20U
Q9A1 2SA933S-R
R9A5 560K 1/10W
C9A8 50V 47μ
Q9B2 2SC3052-E.F
R9A6 100 1/4W
D9A5
D9A6
R9E4 47K 1/10W
R9E3 47K 1/10W
R9A7 33K 1/10W
C9A9 Z-.01
Q9A2 2SA933S-R.S /2SA1309A-R.S
C9C2 500V 1500
C9B0 50V 47μ
D9A4 D1NL20U
R9E1 10K 1/10W
R9E7 47K 1/10W
R9A9 3.3K 1/10W
R9A8 100 1/4W
D9A7 HZ30-2
C9B1 Z-.01
Q9B3 2SC3052-E.F
Q9A3 2SA1619A-Q.R.S
D9A1 D2S6M
C9A1 25V 1000μ
L9A1 10μ 9X9.5
C9A2 35V 100μ
D9A2 D2S4M
C9A3 10V 1000μ
L9A2 10μ 9X9.5
C9A4 10V 330μ
R9E2 1
D9B5 RD2.4EB
R9C3 27K 1/10W
R9E5 5.6K 1/10W
Q9B0 2SC3052-E.F
Q9B1 DTA14
R9E6 5.6K 1/10W
Q9F4 DTA144
Q9F6
Q9F7
R9B1 4.7K 1/4W
C9B3 16V 47μ
D9A9 HZ5C3
C9B2 25V K-.1
TP9Z
IC9A2 LA6324N /LMT324N /LM324N
GND
VCC
R9B7 8.2K 1/2W
C9B4 35V 10μ
R9B2 2.2K
R9B5 F-39K 1/4W
R9B4 F-12K 1/4W
R9B3 F-15K 1/10W
R9B6 F-51K 1/10W
D9A8
D9B0
Q9A8 2SC4208A
R9C 2.7 1/1

ALL DIODE ARE 1SS252/1SS131 UNLESS OTHERWISE SPECIFIED.

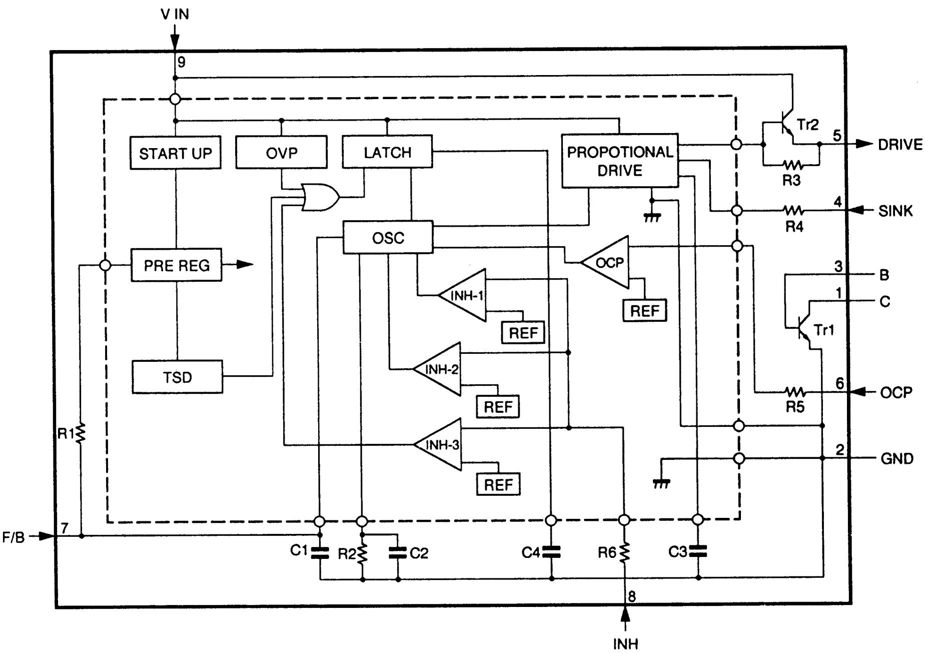

DTC124EK /UN2212
IS
22K
22K

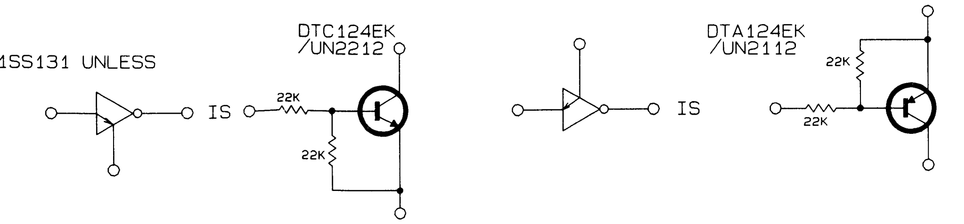

DTA124EK /UN2112
IS
22K
22K

(E)(GY)ONLY (POWER)⚠PCB-MAIN

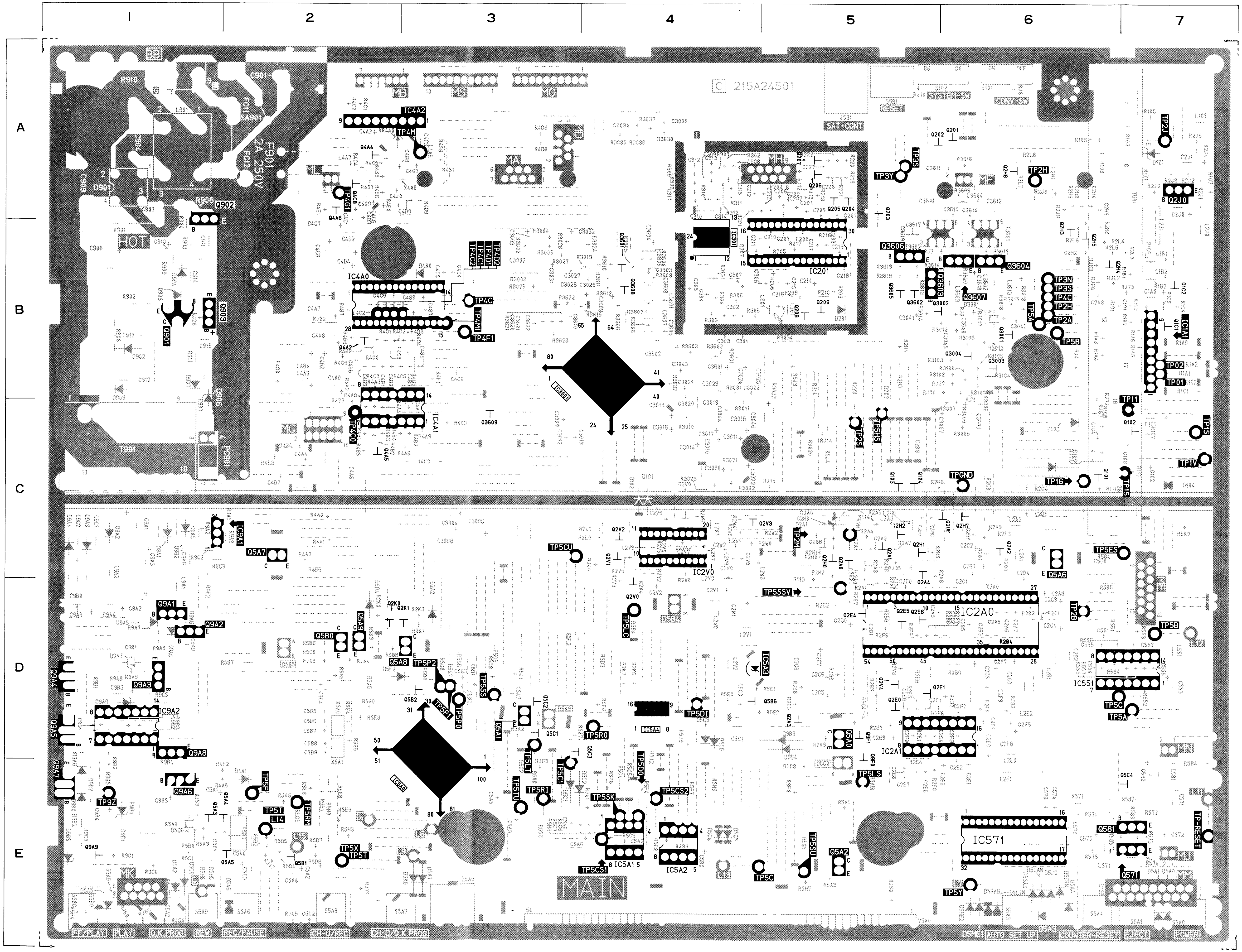

11
12
13
14
15
16
17
18
FLD
HEATER+
HEATER-
SW5
PWV
PAT
STBY5
+30V
-30V
TO MC/TM
MOTOR-V
G12
SW5
TO SERVO
NR38
STBY5
SW5
SW12
TO TU-VIF
STBY5
TO VPS/SAT
SW5
TO HEAD-AMP
SW5
SW12
SW9
TO HIFI
SW5
SW12
STBY5
STBY12
TO YC/CG
T901
E-A1-26565
D9B2
D1NS4
C9A6
10V
470μ
R9E2
1
D9B5
RD2.4EB
R9C3
27K
1/10W
R9E5
5.6K
1/10W
Q9B0
2SC3052-E.F
Q9B1
DTA144EK
R9E6
5.6K
1/10W
Q9F4
DTA144EK
C9C1
500V
1500
D9A3
D1NL20U
Q9A1
2SA933S-R
R9A6
100
1/4W
Q9A2
2SA933S-R.S
/2SA1309A-R.S
R9A5
560K
1/10W
D9A5
D9A6
C9A9
Z-.01
C9A8
50V
47μ
Q9B2
2SC3052-E.F
R9E4
47K
1/10W
R9E3
47K
1/10W
R9A7
33K
1/10W
R9F0
100K
1/10W
Q9F5
DTA144EK
Q9F0
Q9F1
R901
3.3
2W
C9C2
500V
1500
C9B0
50V
47μ
R9E7
47K
1/10W
R9A9
3.3K
1/10W
D9A7
HZ30-2
C9B1
Z-.01
D9A4
D1NL20U
R9E1
10K
1/10W
R9A8
100
1/4W
D9A1
D2S6M
Q9B3
2SC3052-E.F
Q9A3
2SA1619A-Q.R.S
R906
100K
3W
C913
400V
.022
L9A1
10μ
9X9.5
C9A1
25V
1000μ
C9A2
35V
100μ
D905
D903
AP01C
R9B1
4.7K
1/4W
Q9F6
Q9F7
C9B3
16V
47μ
D9A9
HZ5C3
Q9A4
2SD2012
Q9A5
2SD2012
R9D1
150
1/10W
R9C5
2.7
1/4W
C9B2
25V
K-.1
TP9Z
R913
1.5K
1/4W
D9A2
D2S4M
L9A2
10μ
9X9.5
C9A3
10V
1000μ
C9A4
10V
330μ
C916
680
GND
VCC
IC9A2
LA6324N
/LMT324N
/LM324N
R9B7
8.2K
1/2W
Q9F3
R9F1
5.6K
1/10W
R9F2
5.6K
1/10W
Q9F2
2SA1235-E.F
R9C4
10K
1/10W
R9B8
270
C9B5
16V
47μ
Q9A6
2SC4208A
D9B1
EQA02-11C
/RD12EB2
D9B3
D9B4
PC901
ON3171R
R9E9
4.7K
1/10W
R9A1
1.2K
1/2W
C9A5
50V
1μ
R9C2
0
R9A2
F-11K
1/4W
R9C9
F-820
1/4W
IC9A1
HA17431PA
R9A3
F-2.7K
1/4W
C9B4
35V
10μ
R9B2
2.2K
R9B3
F-15K
1/10W
R9B4
F-12K
1/4W
R9B5
F-39K
1/4W
R9B6
F-51K
1/10W
D9A8
D9B0
Q9A7
2SD2012
RZ353
0
Q9A8
2SC4208A
R9C1
2.7K
1/10W
R9C0
10K
1/10W
PC902
ON3171R
R9E8
1.5K
Q9B7
Q9A9

IC901 STR-S6706

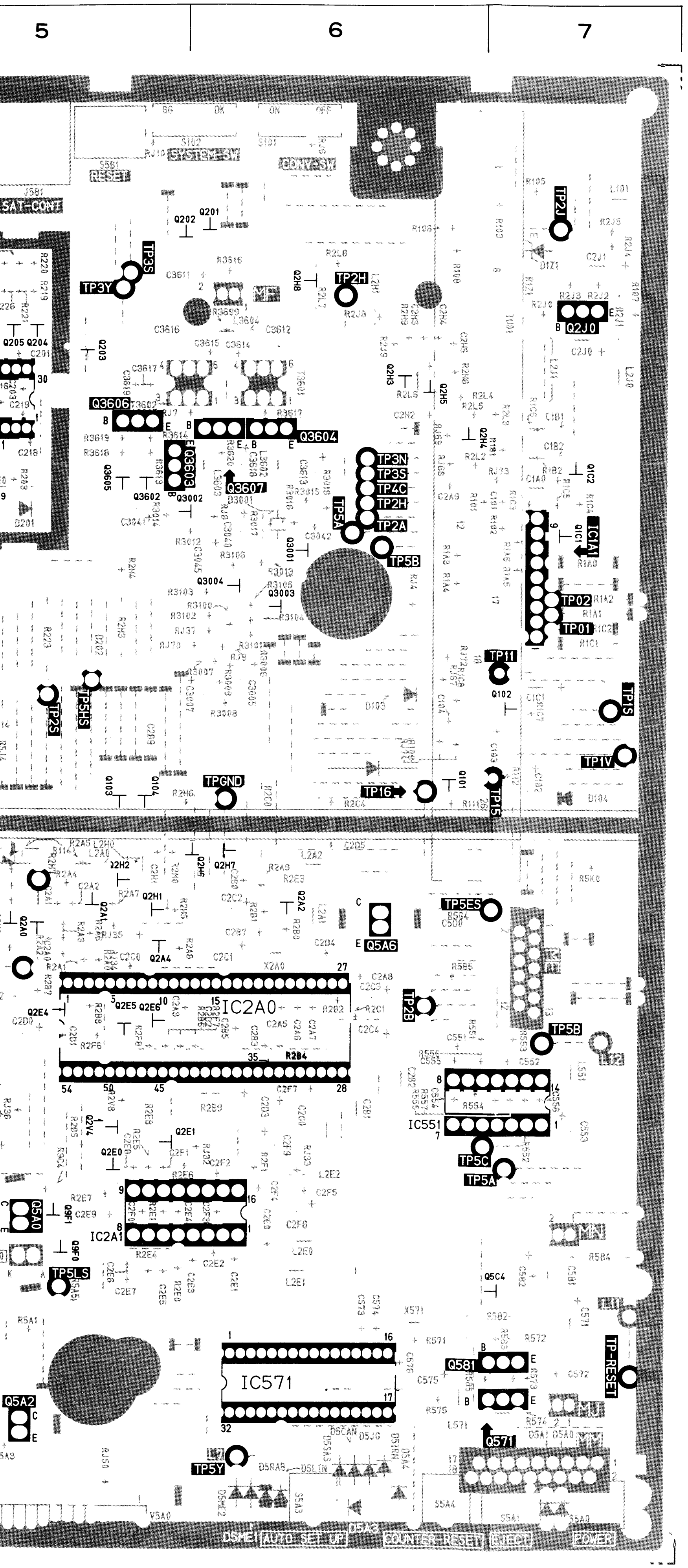

VIN
9
START UP
OVP
LATCH
PROPOTIONAL DRIVE
PRE REG
OSC
OCP
REF
INH-1
REF
INH-2
REF
INH-3
REF
TSD
Tr2
R3
5
DRIVE
4
SINK
R4
3
B
1
C
Tr1
R5
6
OCP
2
GND
R1
F/B
7
C1
R2
C2
C4
R6
C3
8
INH


1SS131 UNLESS
IS
DTC124EK
/UN2212
22K
22K
IS
DTA124EK
/UN2112
22K
22K

PCB-MAIN (HS-751V(B)/V(IR))


1
2
3
4
5
6
7
A
B
C
D
E
215A24501
MAIN
HOT
F901
2A 250V
T901
SYSTEM-SW
CONV-SW
RESET
SAT-CONT
IC4A2
IC4A0
IC4A1
IC3001
IC201
IC301
IC2V0
IC2A0
IC2A1
IC551
IC571
IC5A0
IC5A1
IC5A2
IC5A3
IC5A4
IC9A1
IC9A2
IC1A1
FF/PLAY
PLAY
O.K.PROG
REW
REC/PAUSE
CH-U/REC
CH-D/O.K.PROG
AUTO SET UP
COUNTER-RESET
EJECT
POWER
TP-RESET

SYMBOL NO.	ADDRESS
BB	A- 1
C101	B- 7
C102	C- 7
C103	C- 7
C104	C- 6
C1A0	B- 7
C1B1	B- 7
C1B2	B- 7
C1C1	C- 7
C201	B- 5
C202	A- 5
C203	B- 5
C204	B- 5
C205	B- 5
C206	A- 5
C207	B- 5
C208	B- 5
C209	A- 5
C210	B- 5
C211	B- 5
C212	A- 5
C213	A- 5
C214	B- 5
C215	B- 5
C216	B- 5
C217	B- 5
C218	B- 5
C219	B- 5
C226	A- 5
C227	A- 5
C2A0	D- 5
C2A1	C- 5
C2A2	C- 5
C2A3	D- 6
C2A5	D- 6
C2A6	D- 6
C2A7	D- 6
C2A8	D- 6
C2A9	B- 6
C2B0	C- 6
C2B1	D- 6
C2B2	D- 6
C2B3	D- 6
C2B4	D- 6
C2B5	D- 6
C2B7	C- 6
C2B8	C- 5
C2B9	C- 5
C2C0	D- 5
C2C1	D- 6
C2C2	C- 6
C2C3	D- 6
C2C4	D- 6
C2C5	D- 5
C2C6	D- 5
C2C7	D- 5
C2C8	D- 5
C2D0	D- 5
C2D1	D- 5
C2D2	D- 6
C2D3	D- 6
C2D4	D- 6
C2D5	C- 6
C2E0	E- 6
C2E1	E- 6
C2E2	E- 6
C2E3	E- 6
C2E4	D- 6
C2E5	E- 5
C2E6	E- 5
C2E7	E- 5
C2E8	D- 5
C2E9	D- 5
C2F0	D- 5
C2F1	D- 5
C2F2	D- 6
C2F3	D- 6
C2F4	D- 6
C2F5	D- 6
C2F7	D- 6
C2F8	D- 6
C2F9	D- 6
C2G0	D- 6
C2H0	C- 5
C2H1	C- 5
C2H2	B- 6
C2H3	A- 6
C2H4	A- 6
C2H5	A- 6
C2J0	A- 7
C2J1	A- 7
C2V0	D- 4
C2V1	D- 4
C2V2	D- 4
C2V3	C- 4
C2V4	C- 4
C2V5	C- 4
C2V6	C- 4
C2V7	C- 4
C2V8	C- 4
C2V9	C- 4
C2W0	D- 4
C2W1	D- 4
C2W2	C- 4
C2W3	C- 5
C3002	B- 3
C3003	B- 3
C3004	C- 3
C3005	C- 6
C3006	C- 3
C3007	C- 6
C3008	C- 3
C3009	C- 3
C301	B- 4
C3010	C- 4
C3011	C- 4
C3012	C- 3
C3013	C- 4
C3014	C- 4



PCB-MAIN (HS-751V(B)/V(IR))

SYMBOL NO.	ADDRESS
BB	A- 1
C101	B- 7
C102	C- 7
C103	C- 7
C104	C- 6
C1A0	B- 7
C1B1	B- 7
C1B2	B- 7
C1C1	C- 7
C201	B- 5
C202	A- 5
C203	B- 5
C204	B- 5
C205	B- 5
C206	A- 5
C207	B- 5
C208	B- 5
C209	A- 5
C210	B- 5
C211	B- 5
C212	A- 5
C213	A- 5
C214	B- 5
C215	B- 5
C216	B- 5
C217	B- 5
C218	B- 5
C219	B- 5
C226	A- 5
C227	A- 5
C2A0	D- 5
C2A1	C- 5
C2A2	C- 5
C2A3	D- 6
C2A5	D- 6
C2A6	D- 6
C2A7	D- 6
C2A8	D- 6
C2A9	B- 6
C2B0	C- 6
C2B1	D- 6
C2B2	D- 6
C2B3	D- 6
C2B4	D- 6
C2B5	D- 6
C2B7	C- 6
C2B8	C- 5
C2B9	C- 5
C2C0	D- 5
C2C1	D- 6
C2C2	C- 6
C2C3	D- 6
C2C4	D- 6
C2C5	D- 5
C2C6	D- 5
C2C7	D- 5
C2C8	D- 5
C2D0	D- 5
C2D1	D- 5
C2D2	D- 6
C2D3	D- 6
C2D4	D- 6
C2D5	C- 6
C2E0	E- 6
C2E1	E- 6
C2E2	E- 6
C2E3	E- 6
C2E4	D- 6
C2E5	E- 5
C2E6	E- 5
C2E7	E- 5
C2E8	D- 5
C2E9	D- 5
C2F0	D- 5
C2F1	D- 5
C2F2	D- 6
C2F3	D- 6
C2F4	D- 6
C2F5	D- 6
C2F7	D- 6
C2F8	D- 6
C2F9	D- 6
C2G0	D- 6
C2H0	C- 5
C2H1	C- 5
C2H2	B- 6
C2H3	A- 6
C2H4	A- 6
C2H5	A- 6
C2J0	A- 7
C2J1	A- 7
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C2V1	D- 4
C2V2	D- 4
C2V3	C- 4
C2V4	C- 4
C2V5	C- 4
C2V6	C- 4
C2V7	C- 4
C2V8	C- 4
C2V9	C- 4
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C2W2	C- 4
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C3003	B- 3
C3004	C- 3
C3005	C- 6
C3006	C- 3
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C3008	C- 3
C3009	C- 3
C301	B- 4
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C3011	C- 4
C3012	C- 3
C3013	C- 4
C3014	C- 4
C3015	C- 4
C3016	C- 4
C3017	C- 4
C3018	C- 4
C3019	C- 4
C302	B- 4
C3020	C- 4
C3021	B- 4
C3022	C- 5
C3023	B- 4
C3024	B- 4
C3025	B- 4
C3026	B- 4
C3027	B- 4
C3028	B- 4
C3029	C- 4
C303	B- 4
C3030	C- 4
C3031	B- 3
C3032	B- 4
C3034	A- 4
C3035	A- 4
C304	B- 4
C3040	B- 6
C3041	B- 5
C3042	B- 6
C3043	B- 4
C3044	C- 4
C3045	B- 6
C3046	C- 5
C305	B- 4
C306	B- 5
C307	B- 4
C308	A- 4
C309	A- 4
C310	A- 4
C311	A- 4
C312	A- 4
C313	A- 4
C314	A- 4
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C3602	B- 4
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C3604	B- 4
C3605	B- 4
C3606	B- 4
C3607	B- 4
C3608	B- 4
C3609	B- 4
C3610	B- 3
C3611	A- 6
C3612	A- 6
C3613	B- 6
C3614	B- 6
C3615	B- 6
C3616	A- 6
C3617	B- 5
C3618	B- 6
C3619	B- 5
C3620	B- 3
C3621	B- 3
C3622	B- 3
C4A0	B- 2
C4A1	C- 3
C4A2	A- 2
C4A4	C- 2
C4A6	C- 2
C4A7	B- 2
C4A8	B- 2
C4A9	B- 2
C4B0	B- 3
C4B1	B- 2
C4B2	B- 2
C4B3	B- 3
C4B4	B- 2
C4B5	B- 2
C4B6	B- 2
C4B7	B- 3
C4B8	B- 3
C4B9	B- 3
C4C0	B- 3
C4C2	B- 3
C4C3	A- 3
C4C4	B- 3
C4C5	B- 3
C4C6	A- 2
C4C7	B- 2
C4C8	B- 2
C4C9	B- 3
C4D0	A- 3
C4D1	B- 2
C4D2	B- 2
C4D3	B- 2
C4D4	B- 2
C4D7	C- 2
C4G7	A- 3
C4G8	A- 3
C4G9	A- 2
C4J0	A- 3
C551	D- 6
C552	D- 7
C553	D- 7
C554	D- 6
C555	D- 6
C556	D- 7
C571	E- 7
C572	E- 7
C573	E- 6
C574	E- 6
C575	E- 6
C576	E- 6
C581	E- 7
C582	E- 7
C5A0	E- 2
C5A1	E- 2
C5A2	E- 2
C5A3	E- 3
C5A4	E- 2
C5A5	E- 3
C5A6	E- 4
C5A7	D- 3
C5A8	E- 4
C5A9	E- 4
C5B0	E- 4
C5B1	D- 3
C5B2	D- 3
C5B3	D- 3
C5B5	D- 2
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C5B7	D- 2
C5B8	D- 2
C5B9	E- 2
C5C0	D- 4
C5C1	D- 4
C5C2	E- 2
C5C3	E- 2
C5C4	D- 2
C5D0	C- 7
C901	A- 2
C904	A- 1
C907	A- 1
C908	B- 1
C909	A- 1
C910	B- 1
C911	B- 1
C912	B- 1
C913	B- 1
C914	B- 1
C915	B- 1
C9A1	C- 1
C9A2	D- 1
C9A3	C- 1
C9A4	D- 1
C9A5	C- 1
C9A6	C- 1
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C9A9	D- 1
C9B0	C- 1
C9B1	D- 1
C9B2	D- 1
C9B3	D- 1
C9B4	E- 1
C9B5	E- 1
C9C1	C- 1
C9C2	C- 1
D101	C- 4
D102	C- 4
D103	C- 6
D104	C- 7
D105	C- 6
D1Z1	A- 7
D201	B- 5
D2A0	C- 5
D2A1	C- 5
D2A2	D- 3
D2V0	C- 4
D3001	B- 6
D4A0	B- 3
D4A1	E- 2
D5A0	E- 7
D5A1	E- 7
D5A2	E- 1
D5A3	E- 6
D5A4	E- 6
D5A5	E- 1
D5A6	E- 2
D5A7	E- 3
D5A8	E- 3
D5A9	D- 3
D5B0	E- 1
D5B4	D- 4
D5B5	D- 2
D5C0	E- 5
D5C1	E- 3
D5C2	E- 4
D5C3	D- 4
D5C4	E- 4
D5C5	E- 4
D5C6	E- 4
D5C9	E- 1
D5CAN	E- 6
D5D0	E- 1
D5D4	D- 2
D5E2	D- 3
D5IRN	E- 6
D5JG	E- 6
D5LIN	E- 6
D5ME1	E- 6
D5ME2	E- 6
D5RAB	E- 6
D5SAS	E- 6
D901	A- 1
D902	B- 1
D903	B- 1
D904	B- 1
D906	B- 1
D907	C- 1
D909	B- 1
D9A1	C- 1
D9A2	C- 1
D9A3	C- 1
D9A4	C- 1
D9A5	D- 1
D9A6	D- 1
D9A7	D- 1
D9A8	E- 1
D9A9	D- 1
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D9B1	E- 1
D9B2	C- 1
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D9B4	D- 5
D9B5	E- 1
F901	A- 2
FC11	A- 2
FC12	A- 2
IC1A1	B- 7
IC201	B- 5
IC2A0	D- 5
IC2A1	D- 6
IC2V0	C- 4
IC3001	B- 4
IC301	B- 4
IC4A0	B- 2
IC4A1	C- 3
IC4A2	A- 3
IC551	D- 7
IC571	E- 6
IC5A0	E- 3
IC5A1	E- 4
IC5A2	E- 4
IC5A3	D- 5
IC5A4	D- 4
IC9A1	C- 2
IC9A2	D- 1
J581	A- 5
L101	A- 7
L11	E- 7
L12	D- 7
L13	E- 4
L14	E- 2
L15	E- 2
L201	B- 5
L2A0	C- 5
L2A1	C- 6
L2A2	C- 6
L2E0	E- 6
L2E1	E- 6
L2E2	D- 6
L2H0	C- 5
L2H1	A- 6
L2J0	B- 7
L2J1	A- 7
L2V0	D- 4
L2V1	D- 5
L2V2	D- 4
L2V3	C- 4
L301	B- 5
L3601	B- 4
L3602	B- 6
L3603	B- 6
L3604	A- 6
L4A7	A- 2
L4A8	A- 3
L5	E- 2
L551	D- 7
L571	E- 6
L6	E- 3
L7	E- 6
L8	E- 1
L9	E- 3
L901	A- 1
L9A1	D- 1
L9A2	D- 1
MA	A- 3
MB	A- 3
MC	C- 2
MD	A- 3
ME	C- 7
MF	A- 6
MG	A- 4
MH	A- 4
MJ	E- 7
MK	E- 1
ML	A- 2
MM	E- 7
MN	D- 7
MS	A- 3
PC901	C- 1
Q101	C- 6
Q102	C- 7
Q103	C- 5
Q104	C- 5
Q1C1	B- 7
Q1C2	B- 7
Q201	A- 6
Q202	A- 6
Q203	B- 5
Q204	A- 5
Q205	A- 5
Q206	A- 5
Q207	A- 5
Q208	B- 5
Q209	B- 5
Q2A0	C- 5
Q2A1	C- 5
Q2A2	C- 6
Q2A3	D- 5
Q2A4	D- 5
Q2E0	D- 5
Q2E1	D- 6
Q2E4	D- 5
Q2E5	D- 5
Q2E6	D- 5
Q2H0	C- 5
Q2H1	C- 5
Q2H2	C- 5
Q2H3	B- 6
Q2H4	B- 6
Q2H5	B- 6
Q2H6	C- 6
Q2H7	C- 6
Q2H8	A- 6
Q2J0	A- 7
Q2K0	D- 2
Q2K1	D- 3
Q2V0	D- 4
Q2V1	C- 4
Q2V2	C- 4
Q2V3	C- 5
Q2V4	D- 5
Q3001	B- 6
Q3002	B- 6
Q3003	B- 6
Q3004	B- 6
Q3601	B- 4
Q3602	B- 5
Q3603	B- 5
Q3604	B- 6
Q3605	B- 5
Q3606	B- 5
Q3607	B- 6
Q3608	B- 4
Q3609	C- 3
Q4A2	B- 2
Q4A4	A- 2
Q4A5	C- 2
Q4A6	A- 2
Q4C8	A- 2
Q571	E- 7
Q581	E- 7
Q5A0	D- 5
Q5A1	D- 3
Q5A2	E- 5
Q5A3	E- 1
Q5A4	E- 2
Q5A5	E- 2
Q5A6	C- 6
Q5A7	C- 2
Q5A8	D- 3
Q5A9	D- 2
Q5B0	D- 2
Q5B1	E- 2
Q5B2	D- 3
Q5B6	D- 5
Q5C1	D- 3
Q5C2	D- 3
Q5C3	E- 4
Q5C4	E- 7
Q901	B- 1
Q902	B- 1
Q903	B- 1
Q9A1	D- 1
Q9A2	D- 1
Q9A3	D- 1
Q9A4	D- 1
Q9A5	D- 1
Q9A6	E- 1
Q9A7	E- 1
Q9A8	E- 1
Q9A9	E- 1
Q9F0	E- 5
Q9F1	D- 5
R101	B- 7
R102	B- 7
R103	A- 7
R105	A- 7
R106	A- 6
R107	A- 7
R108	A- 6
R109	C- 6
R111	C- 6
R112	C- 7
R113	D- 5
R114	C- 5
R1A0	B- 7
R1A1	B- 7
R1A2	B- 7
R1A3	B- 6
R1A4	B- 6
R1A5	B- 7
R1A6	B- 7
R1B1	B- 7
R1B2	B- 7
R1C1	B- 7
R1C2	B- 7
R1C3	B- 7
R1C4	B- 7
R1C5	B- 7
R1C6	B- 7
R1C7	C- 7
R1C8	C- 6
R1Z1	A- 7
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R202	B- 5
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R206	B- 5
R207	B- 5
R208	B- 5
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R219	A- 5
R220	A- 5
R221	A- 5
R222	A- 5
R223	C- 5
R2A0	D- 5
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R2A2	D- 5
R2A3	C- 5
R2A4	C- 5
R2A5	C- 5
R2A6	C- 5
R2A7	C- 5
R2A8	D- 6
R2A9	C- 6
R2B0	C- 6
R2B1	C- 6
R2B2	D- 6
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R2B6	D- 5
R2B7	D- 5
R2B8	D- 5
R2B9	D- 6
R2C0	C- 6
R2C1	D- 6
R2C2	D- 5
R2C3	D- 5
R2C4	C- 6
R2E0	E- 6
R2E1	D- 5
R2E3	C- 6
R2E4	E- 5
R2E5	D- 5
R2E6	D- 6
R2E7	D- 5
R2E8	D- 5
R2F1	D- 6
R2F6	D- 5
R2F7	D- 6
R2F8	D- 5
R2H0	C- 5
R2H1	C- 5
R2H2	D- 5
R2H3	C- 5
R2H4	B- 5
R2H5	C- 6
R2H6	C- 6
R2H7	D- 5
R2H8	B- 6
R2H9	A- 6
R2J0	A- 7
R2J1	A- 7
R2J2	A- 7
R2J3	A- 7
R2J4	A- 7
R2J5	A- 7
R2J8	A- 6
R2J9	A- 6
R2K0	D- 2
R2K1	D- 3
R2K3	D- 3
R2K6	D- 4
R2K7	D- 4
R2L0	C- 4
R2L1	C- 4
R2L2	B- 7
R2L3	B- 7
R2L4	B- 6
R2L5	B- 7
R2L6	B- 6
R2L7	A- 6
R2L8	A- 6
R2M0	C- 6
R2V0	D- 4
R2V2	D- 4
R2V3	D- 4
R2V4	D- 4
R2V5	C- 4
R2V6	C- 4
R2V7	C- 4
R2V8	D- 5
R2V9	D- 5
R2W0	C- 5
R2W1	C- 4
R2W2	C- 5
R2W3	C- 4
R2W4	C- 4
R2W5	C- 4
R3002	B- 3
R3003	B- 3
R3004	B- 3
R3005	B- 3
R3006	C- 6
R3007	C- 6
R3008	C- 6
R3009	C- 6
R3010	C- 4
R3011	C- 4
R3012	B- 6
R3013	B- 6
R3014	B- 5
R3015	B- 6
R3016	B- 6
R3017	B- 6
R3018	B- 6
R3019	B- 4
R302	A- 4
R3020	C- 5
R3021	C- 4
R3022	C- 4
R3023	C- 4
R3024	B- 4
R3025	B- 3
R3026	B- 3
R3027	B- 3
R303	B- 4
R3031	C- 4
R3032	B- 4
R3033	C- 5
R3034	B- 5
R3035	A- 4
R3036	A- 4
R3037	A- 4
R3038	A- 4
R304	B- 4
R305	B- 5
R306	B- 4
R307	A- 4
R308	A- 4
R309	A- 4
R310	A- 4
R3100	B- 6
R3101	B- 6
R3102	B- 6
R3103	B- 6
R3104	B- 6
R3105	B- 6
R3106	B- 6
R311	A- 4
R312	A- 4
R313	B- 4
R314	B- 5
R3601	B- 4
R3602	B- 4

ADDRESS
B- 3
B- 3
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C- 3
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C- 2
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E- 2
E- 3
E- 2
E- 3

SYMBOL NO.	ADDRESS
C5A6	E- 4
C5A7	D- 3
C5A8	E- 4
C5A9	E- 4
C5B0	E- 4
C5B1	D- 3
C5B2	D- 3
C5B3	D- 3
C5B5	D- 2
C5B6	D- 2
C5B7	D- 2
C5B8	D- 2
C5B9	E- 2
C5C0	D- 4
C5C1	D- 4
C5C2	E- 2
C5C3	E- 2
C5C4	D- 2
C5D0	C- 7
C901	A- 2
C904	A- 1
C907	A- 1
C908	B- 1
C909	A- 1
C910	B- 1
C911	B- 1
C912	B- 1
C913	B- 1
C914	B- 1
C915	B- 1
C9A1	C- 1
C9A2	D- 1
C9A3	C- 1
C9A4	D- 1
C9A5	C- 1
C9A6	C- 1
C9A8	D- 1
C9A9	D- 1
C9B0	C- 1
C9B1	D- 1
C9B2	D- 1
C9B3	D- 1
C9B4	E- 1
C9B5	E- 1
C9C1	C- 1
C9C2	C- 1
D101	C- 4
D102	C- 4
D103	C- 6
D104	C- 7
D105	C- 6
D1Z1	A- 7
D201	B- 5
D2A0	C- 5
D2A1	C- 5
D2A2	D- 3
D2V0	C- 4
D3001	B- 6
D4A0	B- 3

SYMBOL NO.	ADDRESS
D4A1	E- 2
D5A0	E- 7
D5A1	E- 7
D5A2	E- 1
D5A3	E- 6
D5A4	E- 6
D5A5	E- 1
D5A6	E- 2
D5A7	E- 3
D5A8	E- 3
D5A9	D- 3
D5B0	E- 1
D5B4	D- 4
D5B5	D- 2
D5C0	E- 5
D5C1	E- 3
D5C2	E- 4
D5C3	D- 4
D5C4	E- 4
D5C5	E- 4
D5C6	E- 4
D5C9	E- 1
D5CAN	E- 6
D5D0	E- 1
D5D4	D- 2
D5E2	D- 3
D5IRN	E- 6
D5JG	E- 6
D5LIN	E- 6
D5ME1	E- 6
D5ME2	E- 6
D5RAB	E- 6
D5SAS	E- 6
D901	A- 1
D902	B- 1
D903	B- 1
D904	B- 1
D906	B- 1
D907	C- 1
D909	B- 1
D9A1	C- 1
D9A2	C- 1
D9A3	C- 1
D9A4	C- 1
D9A5	D- 1
D9A6	D- 1
D9A7	D- 1
D9A8	E- 1
D9A9	D- 1
D9B0	E- 1
D9B1	E- 1
D9B2	C- 1
D9B3	D- 5
D9B4	D- 5
D9B5	E- 1
F901	A- 2
FC11	A- 2
FC12	A- 2

SYMBOL NO.	ADDRESS
IC1A1	B- 7
IC201	B- 5
IC2A0	D- 5
IC2A1	D- 6
IC2V0	C- 4
IC3001	B- 4
IC301	B- 4
IC4A0	B- 2
IC4A1	C- 3
IC4A2	A- 3
IC551	D- 7
IC571	E- 6
IC5A0	E- 3
IC5A1	E- 4
IC5A2	E- 4
IC5A3	D- 5
IC5A4	D- 4
IC9A1	C- 2
IC9A2	D- 1
J581	A- 5
L101	A- 7
L11	E- 7
L12	D- 7
L13	E- 4
L14	E- 2
L15	E- 2
L201	B- 5
L2A0	C- 5
L2A1	C- 6
L2A2	C- 6
L2E0	E- 6
L2E1	E- 6
L2E2	D- 6
L2H0	C- 5
L2H1	A- 6
L2J0	B- 7
L2J1	A- 7
L2V0	D- 4
L2V1	D- 5
L2V2	D- 4
L2V3	C- 4
L301	B- 5
L3601	B- 4
L3602	B- 6
L3603	B- 6
L3604	A- 6
L4A7	A- 2
L4A8	A- 3
L5	E- 2
L551	D- 7
L571	E- 6
L6	E- 3
L7	E- 6
L8	E- 1
L9	E- 3
L901	A- 1
L9A1	D- 1
L9A2	D- 1

SYMBOL NO.	ADDRESS
MA	A- 3
MB	A- 3
MC	C- 2
MD	A- 3
ME	C- 7
MF	A- 6
MG	A- 4
MH	A- 4
MJ	E- 7
MK	E- 1
ML	A- 2
MM	E- 7
MN	D- 7
MS	A- 3
PC901	C- 1
Q101	C- 6
Q102	C- 7
Q103	C- 5
Q104	C- 5
Q1C1	B- 7
Q1C2	B- 7
Q201	A- 6
Q202	A- 6
Q203	B- 5
Q204	A- 5
Q205	A- 5
Q206	A- 5
Q207	A- 5
Q208	B- 5
Q209	B- 5
Q2A0	C- 5
Q2A1	C- 5
Q2A2	C- 6
Q2A3	D- 5
Q2A4	D- 5
Q2E0	D- 5
Q2E1	D- 6
Q2E4	D- 5
Q2E5	D- 5
Q2E6	D- 5
Q2H0	C- 5
Q2H1	C- 5
Q2H2	C- 5
Q2H3	B- 6
Q2H4	B- 6
Q2H5	B- 6
Q2H6	C- 6
Q2H7	C- 6
Q2H8	A- 6
Q2J0	A- 7
Q2K0	D- 2
Q2K1	D- 3
Q2V0	D- 4
Q2V1	C- 4
Q2V2	C- 4
Q2V3	C- 5
Q2V4	D- 5
Q3001	B- 6

SYMBOL NO.	ADDRESS
Q3002	B- 6
Q3003	B- 6
Q3004	B- 6
Q3601	B- 4
Q3602	B- 5
Q3603	B- 5
Q3604	B- 6
Q3605	B- 5
Q3606	B- 5
Q3607	B- 6
Q3608	B- 4
Q3609	C- 3
Q4A2	B- 2
Q4A4	A- 2
Q4A5	C- 2
Q4A6	A- 2
Q4C8	A- 2
Q571	E- 7
Q581	E- 7
Q5A0	D- 5
Q5A1	D- 3
Q5A2	E- 5
Q5A3	E- 1
Q5A4	E- 2
Q5A5	E- 2
Q5A6	C- 6
Q5A7	C- 2
Q5A8	D- 3
Q5A9	D- 2
Q5B0	D- 2
Q5B1	E- 2
Q5B2	D- 3
Q5B6	D- 5
Q5C1	D- 3
Q5C2	D- 3
Q5C3	E- 4
Q5C4	E- 7
Q901	B- 1
Q902	B- 1
Q903	B- 1
Q9A1	D- 1
Q9A2	D- 1
Q9A3	D- 1
Q9A4	D- 1
Q9A5	D- 1
Q9A6	E- 1
Q9A7	E- 1
Q9A8	E- 1
Q9A9	E- 1
Q9F0	E- 5
Q9F1	D- 5
R101	B- 7
R102	B- 7
R103	A- 7
R105	A- 7
R106	A- 6
R107	A- 7
R108	A- 6
R109	C- 6

SYMBOL NO.	ADDRESS
R111	C- 6
R112	C- 7
R113	D- 5
R114	C- 5
R1A0	B- 7
R1A1	B- 7
R1A2	B- 7
R1A3	B- 6
R1A4	B- 6
R1A5	B- 7
R1A6	B- 7
R1B1	B- 7
R1B2	B- 7
R1C1	B- 7
R1C2	B- 7
R1C3	B- 7
R1C4	B- 7
R1C5	B- 7
R1C6	B- 7
R1C7	C- 7
R1C8	C- 6
R1Z1	A- 7
R201	B- 5
R202	B- 5
R203	B- 5
R205	B- 5
R206	B- 5
R207	B- 5
R208	B- 5
R209	B- 5
R210	B- 5
R216	B- 5
R217	B- 5
R218	A- 5
R219	A- 5
R220	A- 5
R221	A- 5
R222	A- 5
R223	C- 5
R2A0	D- 5
R2A1	D- 5
R2A2	D- 5
R2A3	C- 5
R2A4	C- 5
R2A5	C- 5
R2A6	C- 5
R2A7	C- 5
R2A8	D- 6
R2A9	C- 6
R2B0	C- 6
R2B1	C- 6
R2B2	D- 6
R2B3	E- 5
R2B4	D- 6
R2B5	D- 5
R2B6	D- 5
R2B7	D- 5
R2B8	D- 5
R2B9	D- 6
R2C0	C- 6

SYMBOL NO.	ADDRESS
R2C1	D- 6
R2C2	D- 5
R2C3	D- 5
R2C4	C- 6
R2E0	E- 6
R2E1	D- 5
R2E3	C- 6
R2E4	E- 5
R2E5	D- 5
R2E6	D- 6
R2E7	D- 5
R2E8	D- 5
R2F1	D- 6
R2F6	D- 5
R2F7	D- 6
R2F8	D- 5
R2H0	C- 5
R2H1	C- 5
R2H2	D- 5
R2H3	C- 5
R2H4	B- 5
R2H5	C- 6
R2H6	C- 6
R2H7	D- 5
R2H8	B- 6
R2H9	A- 6
R2J0	A- 7
R2J1	A- 7
R2J2	A- 7
R2J3	A- 7
R2J4	A- 7
R2J5	A- 7
R2J8	A- 6
R2J9	A- 6
R2K0	D- 2
R2K1	D- 3
R2K3	D- 3
R2K6	D- 4
R2K7	D- 4
R2L0	C- 4
R2L1	C- 4
R2L2	B- 7
R2L3	B- 7
R2L4	B- 6
R2L5	B- 7
R2L6	B- 6
R2L7	A- 6
R2L8	A- 6
R2M0	C- 6
R2V0	D- 4
R2V2	D- 4
R2V3	D- 4
R2V4	D- 4
R2V5	C- 4
R2V6	C- 4
R2V7	C- 4
R2V8	D- 5
R2V9	D- 5
R2W0	C- 5
R2W1	C- 4

SYMBOL NO.	ADDRESS
R2W2	C- 5
R2W3	C- 4
R2W4	C- 4
R2W5	C- 4
R3002	B- 3
R3003	B- 3
R3004	B- 3
R3005	B- 3
R3006	C- 6
R3007	C- 6
R3008	C- 6
R3009	C- 6
R3010	C- 4
R3011	C- 4
R3012	B- 6
R3013	B- 6
R3014	B- 5
R3015	B- 6
R3016	B- 6
R3017	B- 6
R3018	B- 6
R3019	B- 4
R302	A- 4
R3020	C- 5
R3021	C- 4
R3022	C- 4
R3023	C- 4
R3024	B- 4
R3025	B- 3
R3026	B- 3
R3027	B- 3
R303	B- 4
R3031	C- 4
R3032	B- 4
R3033	C- 5
R3034	B- 5
R3035	A- 4
R3036	A- 4
R3037	A- 4
R3038	A- 4
R304	B- 4
R305	B- 5
R306	B- 4
R307	A- 4
R308	A- 4
R309	A- 4
R310	A- 4
R3100	B- 6
R3101	B- 6
R3102	B- 6
R3103	B- 6
R3104	B- 6
R3105	B- 6
R3106	B- 6
R311	A- 4
R312	A- 4
R313	B- 4
R314	B- 5
R3601	B- 4
R3602	B- 4

SYMBOL NO.	ADDRESS
R3603	B- 4
R3604	B- 4
R3605	B- 4
R3606	B- 4
R3607	B- 4
R3608	B- 4
R3609	B- 4
R3610	B- 4
R3611	B- 4
R3612	B- 4
R3613	B- 5
R3614	B- 5
R3615	B- 4
R3616	A- 6
R3617	B- 6
R3618	B- 5
R3619	B- 5
R3620	B- 6
R3621	B- 3
R3622	B- 3
R3623	B- 3
R3699	A- 6
R4A0	C- 2
R4A1	C- 2
R4A2	B- 2
R4A3	C- 2
R4A4	C- 2
R4A5	E- 2
R4A6	C- 3
R4A7	C- 2
R4A8	C- 2
R4A9	C- 3
R4B0	C- 3
R4B1	C- 2
R4B2	C- 2
R4B3	C- 2
R4B4	C- 3
R4B5	C- 2
R4B6	C- 2
R4B7	B- 2
R4B8	B- 2
R4B9	B- 2
R4C0	B- 2
R4C1	A- 2
R4C2	A- 2
R4C3	C- 3
R4C4	A- 2
R4C5	A- 2
R4C6	B- 3
R4C7	B- 2
R4C8	B- 2
R4C9	B- 2
R4D0	B- 2
R4D1	B- 2
R4D2	B- 3
R4D3	B- 3
R4D4	B- 3
R4D5	B- 3
R4D6	A- 3
R4D8	A- 3

SYMBOL NO.	ADDRESS
R4D9	A- 3
R4E0	A- 3
R4E1	B- 2
R4E2	C- 2
R4E3	C- 2
R4F0	C- 3
R4F1	B- 3
R4F2	E- 2
R4S1	A- 3
R4S5	A- 2
R4S6	A- 2
R4S7	A- 2
R4S9	A- 3
R551	D- 7
R552	D- 7
R553	D- 7
R554	D- 7
R555	D- 7
R556	D- 7
R557	D- 7
R571	E- 6
R572	E- 7
R573	E- 7
R574	E- 7
R575	E- 6
R582	E- 7
R583	E- 7
R584	E- 7
R585	E- 7
R5A0	E- 3
R5A1	E- 5
R5A2	D- 3
R5A3	E- 5
R5A5	E- 5
R5A8	E- 1
R5A9	E- 1
R5B0	E- 1
R5B1	E- 2
R5B2	E- 2
R5B3	E- 2
R5B4	D- 4
R5B5	D- 6
R5B6	D- 2
R5B7	D- 2
R5B8	D- 3
R5B9	D- 2
R5C0	D- 2
R5C1	E- 1
R5C2	E- 4
R5C3	E- 4
R5C4	E- 4
R5C5	E- 4
R5C6	E- 4
R5C7	E- 4
R5D3	D- 4
R5D4	E- 2
R5D5	E- 2
R5D6	E- 2
R5D7	E- 2
R5D8	D- 3

SYMBOL NO.	ADDRESS
R5D9	D- 3
R5E0	D- 4
R5E1	D- 5
R5E2	D- 5
R5E3	D- 2
R5E4	D- 2
R5E5	D- 2
R5E6	E- 2
R5E7	E- 2
R5E8	E- 2
R5E9	E- 2
R5F0	D- 4
R5F4	E- 4
R5F7	E- 4
R5F8	E- 4
R5F9	D- 4
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R5G1	E- 5
R5G2	E- 3
R5G3	E- 3
R5G4	C- 7
R5G5	D- 3
R5G6	D- 3
R5G7	D- 3
R5G8	D- 3
R5G9	E- 2
R5H0	E- 2
R5H1	D- 2
R5H3	E- 2
R5H4	E- 1
R5H5	E- 1
R5H6	E- 1
R5H7	E- 5
R5H8	E- 4
R5H9	E- 4
R5J1	D- 3
R5J2	E- 4
R5J3	B- 5
R5J4	C- 5
R5J5	D- 2
R5J7	D- 4
R5J8	D- 4
R5K0	C- 7
R901	B- 1
R902	B- 1
R903	B- 1
R904	B- 1
R906	B- 1
R907	C- 1
R908	B- 1
R909	B- 1
R910	A- 1
R911	B- 1
R9A1	C- 2
R9A2	C- 1
R9A3	C- 2
R9A5	D- 1
R9A6	D- 1
R9A7	D- 1
R9A8	D- 1

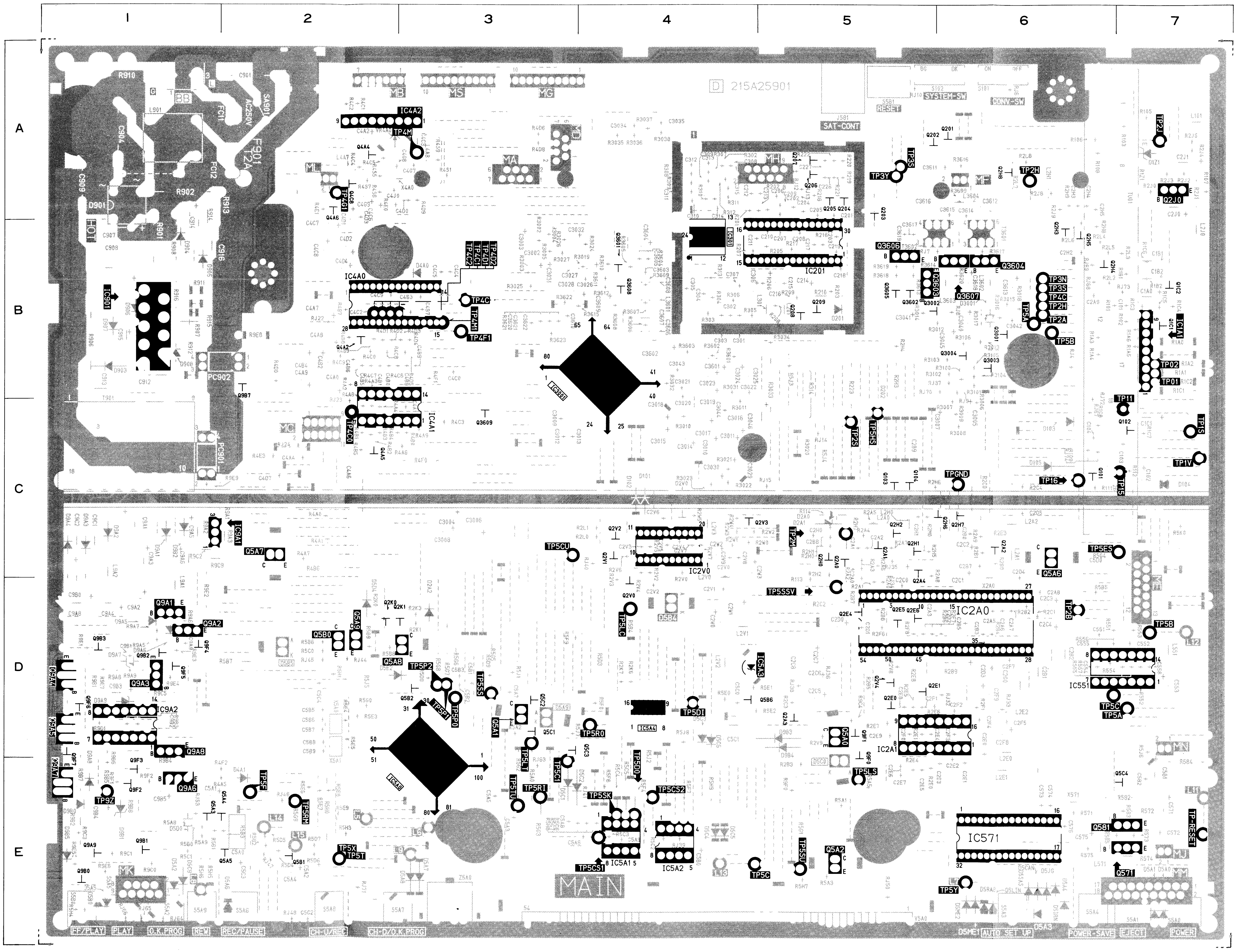
SYMBOL NO.	ADDRESS
R9A9	D- 1
R9B1	D- 1
R9B2	E- 1
R9B3	D- 1
R9B4	E- 1
R9B5	E- 1
R9B6	E- 1
R9B7	E- 1
R9B8	E- 1
R9C0	E- 1
R9C1	E- 1
R9C2	C- 2
R9C3	E- 1
R9C4	D- 5
R9C5	D- 1
R9C9	C- 2
R9D1	D- 1
R9E2	D- 1
R9F0	E- 5
RJ10	A- 5
RJ12	A- 5
RJ13	A- 5
RJ14	C- 5
RJ15	C- 5
RJ22	B- 2
RJ23	C- 2
RJ24	C- 2
RJ26	B- 1
RJ32	D- 6
RJ33	D- 6
RJ34	D- 5
RJ35	C- 5
RJ36	D- 5
RJ37	B- 6
RJ38	D- 5
RJ39	E- 4
RJ4	B- 6
RJ40	C- 4
RJ41	E- 4
RJ44	D- 2
RJ45	D- 2
RJ46	E- 2
RJ47	E- 2
RJ48	E- 2
RJ50	E- 5
RJ53	E- 1
RJ6	A- 6
RJ63	E- 3
RJ64	E- 1
RJ65	E- 1
RJ66	E- 1
RJ67	C- 6
RJ68	B- 6
RJ69	B- 6
RJ7	B- 6
RJ70	C- 6
RJ71	E- 2
RJ72	C- 6
RJ73	B- 7
RJ74	C- 6

SYMBOL NO.	ADDRESS
RJ8	B- 6
RJ9	C- 6
RZ110	A- 6
RZ117	B- 3
RZ118	B- 3
RZ15	C- 7
RZ186	D- 7
RZ188	D- 7
RZ189	D- 7
RZ191	D- 6
RZ218	E- 6
RZ219	E- 6
RZ22	A- 6
RZ222	E- 6
RZ223	E- 6
RZ232	E- 5
RZ253	D- 4
RZ256	D- 4
RZ257	D- 4
RZ268	E- 4
RZ275	E- 4
RZ286	D- 4
RZ302	D- 4
RZ353	D- 2
RZ417	C- 5
RZ418	A- 4
RZ524	C- 7
RZ74	C- 5
RZ89	C- 5
RZ99	A- 4
S101	A- 6
S102	A- 6
S5A0	E- 7
S5A1	E- 7
S5A2	E- 1
S5A3	E- 6
S5A4	E- 6
S5A5	E- 1
S5A6	E- 2
S5A7	E- 3
S5A8	E- 2
S5A9	E- 1
S5B0	E- 1
S5B1	A- 5
SA901	A- 2
T3601	B- 6
T3602	B- 6
T901	C- 1
TP-2M	C- 5
TP-RESET	E- 7
TP01	B- 7
TP02	B- 7
TP11	C- 7
TP15	C- 7
TP16	C- 6
TP1S	C- 7

SYMBOL NO.	ADDRESS
TP1V	C- 7
TP2A	B- 6
TP2B	D- 6
TP2H	A- 6
TP2H	B- 6
TP2J	A- 7
TP2S	C- 5
TP3N	B- 6
TP3S	A- 5
TP3S	B- 6
TP3Y	A- 5
TP4C	B- 3
TP4C	B- 6
TP4C0	C- 2
TP4C1	B- 2
TP4C2	B- 2
TP4D1	B- 3
TP4D2	B- 3
TP4F1	B- 3
TP4G1	A- 2
TP4M	A- 3
TP4M1	B- 3
TP5A	B- 6
TP5A	D- 7
TP5B	B- 6
TP5B	D- 7
TP5C	D- 7
TP5C	E- 5
TP5C1	E- 3
TP5CS1	E- 4
TP5CS2	E- 4
TP5CU	C- 4
TP5D0	E- 4
TP5DI	D- 4
TP5ES	C- 7
TP5F	E- 2
TP5HS	C- 5
TP5LC	D- 4
TP5LS	E- 5
TP5LT	D- 3
TP5P0	D- 3
TP5P1	D- 3
TP5P2	D- 3
TP5R0	D- 4
TP5RI	E- 3
TP5RM	E- 2
TP5SK	E- 4
TP5SS	D- 3
TP5SSV	D- 5
TP5SU	E- 5
TP5T	E- 2
TP5TU	E- 3
TP5X	E- 2
TP5Y	E- 6
TP9Z	E- 1
TPGND	C- 6
TU01	A- 7
V5A0	E- 5

SYMBOL NO.	ADDRESS
VR4A0	A- 3
X2A0	D- 6
X4A0	A- 3
X571	E- 6
X5A0	D- 2
X5A1	D- 2
Z5A0	E- 3

PCB-MAIN (HS-751V(E)/V(GY))


1
2
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6
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MS
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MC
MH
MF
MK
MN
MJ
MM
ME
BB
HOT
F901 T2A
AC250V
SYSTEM-SW
CONV-SW
RESET
SAT-CONT
IC4A2
IC4A0
IC4A1
IC201
IC2V0
IC2A0
IC2A1
IC9A2
IC551
IC5A1
IC5A2
IC571
PC902
PC901
MAIN
FF/PLAY
PLAY
O.K.PROG
REW
REC/PAUSE
CH-U/REC
CH-D/O.K.PROG
AUTO SET UP
POWER-SAVE
EJECT
POWER
TP-RESET
TPGND

R)

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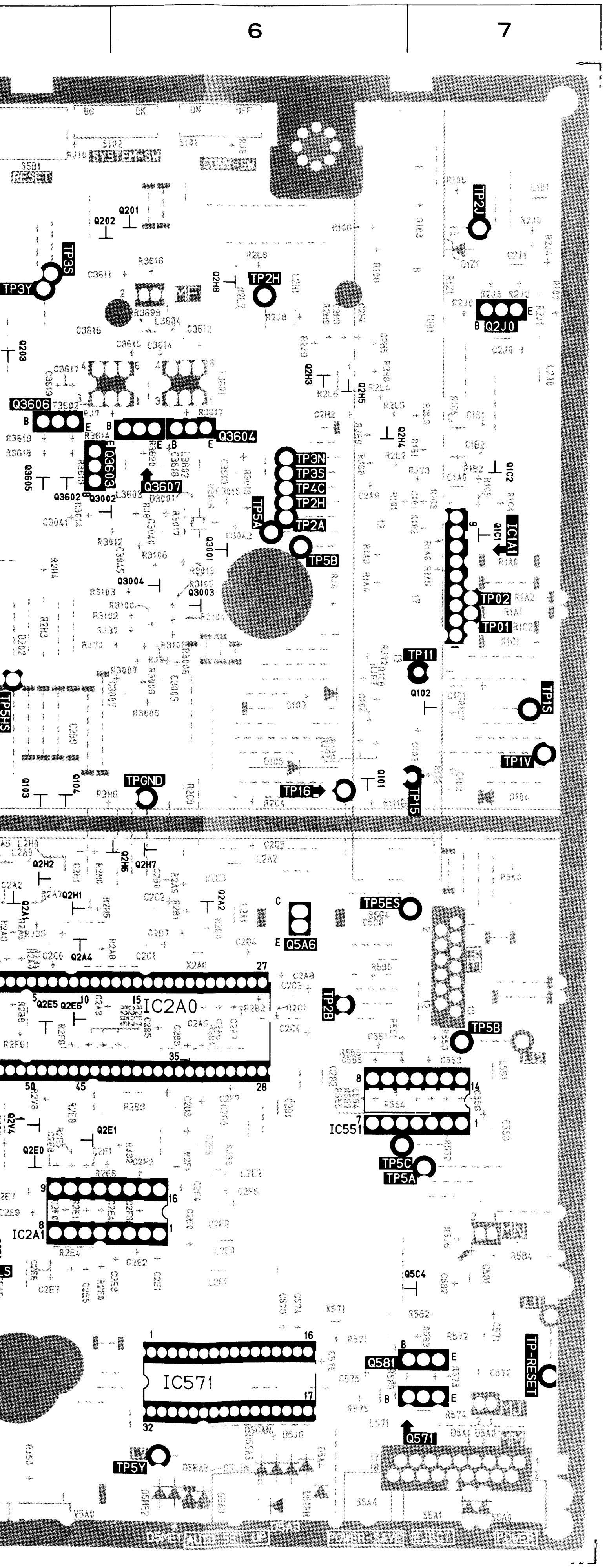
PCB-MAIN (HS-751V(E)/V(

SYMBOL NO.	ADDRESS
BB	A- 1
C101	B- 7
C102	C- 7
C103	C- 7
C104	C- 6
C1A0	B- 7
C1B1	B- 7
C1B2	B- 7
C1C1	C- 7
C201	B- 5
C202	A- 5
C203	B- 5
C204	B- 5
C205	B- 5
C206	A- 5
C207	B- 5
C208	B- 5
C209	A- 5
C210	B- 5
C211	B- 5
C212	A- 5
C213	A- 5
C214	B- 5
C215	B- 5
C216	B- 5
C217	B- 5
C218	B- 5
C219	B- 5
C226	A- 5
C227	A- 5
C2A0	D- 5
C2A1	C- 5
C2A2	C- 5
C2A3	D- 6
C2A5	D- 6
C2A6	D- 6
C2A7	D- 6
C2A8	D- 6
C2A9	B- 6
C2B0	C- 6
C2B1	D- 6
C2B2	D- 6
C2B3	D- 6
C2B4	D- 6
C2B5	D- 6
C2B7	C- 6
C2B8	C- 5
C2B9	C- 5
C2C0	D- 5
C2C1	D- 6
C2C2	C- 6
C2C3	D- 6
C2C4	D- 6
C2C5	D- 5
C2C6	D- 5
C2C7	D- 5
C2C8	D- 5
C2D0	D- 5
C2D1	D- 5

SYMBOL NO.	A
C2D2	
C2D3	
C2D4	
C2D5	
C2E0	
C2E1	
C2E2	
C2E3	
C2E4	
C2E5	
C2E6	
C2E7	
C2E8	
C2E9	
C2F0	
C2F1	
C2F2	
C2F3	
C2F4	
C2F5	
C2F7	
C2F8	
C2F9	
C2G0	
C2H0	
C2H1	
C2H2	
C2H3	
C2H4	
C2H5	
C2J0	
C2J1	
C2V0	
C2V1	
C2V2	
C2V3	
C2V4	
C2V5	
C2V6	
C2V7	
C2V8	
C2V9	
C2W0	
C2W1	
C2W2	
C2W3	
C3002	
C3003	
C3004	
C3005	
C3006	
C3007	
C3008	
C3009	
C301	
C3010	
C3011	
C3012	
C3013	
C3014	



PCB-MAIN (HS-751V(E)/V(GY))

SYMBOL NO.	ADDRESS
BB	A- 1
C101	B- 7
C102	C- 7
C103	C- 7
C104	C- 6
C1A0	B- 7
C1B1	B- 7
C1B2	B- 7
C1C1	C- 7
C201	B- 5
C202	A- 5
C203	B- 5
C204	B- 5
C205	B- 5
C206	A- 5
C207	B- 5
C208	B- 5
C209	A- 5
C210	B- 5
C211	B- 5
C212	A- 5
C213	A- 5
C214	B- 5
C215	B- 5
C216	B- 5
C217	B- 5
C218	B- 5
C219	B- 5
C226	A- 5
C227	A- 5
C2A0	D- 5
C2A1	C- 5
C2A2	C- 5
C2A3	D- 6
C2A5	D- 6
C2A6	D- 6
C2A7	D- 6
C2A8	D- 6
C2A9	B- 6
C2B0	C- 6
C2B1	D- 6
C2B2	D- 6
C2B3	D- 6
C2B4	D- 6
C2B5	D- 6
C2B7	C- 6
C2B8	C- 5
C2B9	C- 5
C2C0	D- 5
C2C1	D- 6
C2C2	C- 6
C2C3	D- 6
C2C4	D- 6
C2C5	D- 5
C2C6	D- 5
C2C7	D- 5
C2C8	D- 5
C2D0	D- 5
C2D1	D- 5
C2D2	D- 6
C2D3	D- 6
C2D4	D- 6
C2D5	C- 6
C2E0	E- 6
C2E1	E- 6
C2E2	E- 6
C2E3	E- 6
C2E4	D- 6
C2E5	E- 5
C2E6	E- 5
C2E7	E- 5
C2E8	D- 5
C2E9	D- 5
C2F0	D- 5
C2F1	D- 5
C2F2	D- 6
C2F3	D- 6
C2F4	D- 6
C2F5	D- 6
C2F7	D- 6
C2F8	D- 6
C2F9	D- 6
C2G0	D- 6
C2H0	C- 5
C2H1	C- 5
C2H2	B- 6
C2H3	A- 6
C2H4	A- 6
C2H5	A- 6
C2J0	A- 7
C2J1	A- 7
C2V0	D- 4
C2V1	D- 4
C2V2	D- 4
C2V3	C- 4
C2V4	C- 4
C2V5	C- 4
C2V6	C- 4
C2V7	C- 4
C2V8	C- 4
C2V9	C- 4
C2W0	D- 4
C2W1	D- 4
C2W2	C- 4
C2W3	C- 5
C3002	B- 3
C3003	B- 3
C3004	C- 3
C3005	C- 6
C3006	C- 3
C3007	C- 6
C3008	C- 3
C3009	C- 3
C301	B- 4
C3010	C- 4
C3011	C- 4
C3012	C- 3
C3013	C- 4
C3014	C- 4
C3015	C- 4
C3016	C- 4
C3017	C- 4
C3018	C- 4
C3019	C- 4
C302	B- 4
C3020	C- 4
C3021	B- 4
C3022	C- 5
C3023	B- 4
C3024	B- 4
C3025	B- 4
C3026	B- 4
C3027	B- 4
C3028	B- 4
C3029	C- 4
C303	B- 4
C3030	C- 4
C3031	B- 3
C3032	B- 4
C3034	A- 4
C3035	A- 4
C304	B- 4
C3040	B- 6
C3041	B- 5
C3042	B- 6
C3043	B- 4
C3044	C- 4
C3045	B- 6
C3046	C- 5
C305	B- 4
C306	B- 5
C307	B- 4
C308	A- 4
C309	A- 4
C310	A- 4
C311	A- 4
C312	A- 4
C313	A- 4
C314	A- 4
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C3601	B- 4
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C3603	B- 4
C3604	B- 4
C3605	B- 4
C3606	B- 4
C3607	B- 4
C3608	B- 4
C3609	B- 4
C3610	B- 3
C3611	A- 6
C3612	A- 6
C3613	B- 6
C3614	B- 6
C3615	B- 6
C3616	A- 6
C3617	B- 5
C3618	B- 6
C3619	B- 5
C3620	B- 3
C3621	B- 3
C3622	B- 3
C4A0	B- 2
C4A1	C- 3
C4A2	A- 2
C4A4	C- 2
C4A6	C- 2
C4A7	B- 2
C4A8	B- 2
C4A9	B- 2
C4B0	B- 3
C4B1	B- 2
C4B2	B- 2
C4B3	B- 3
C4B4	B- 2
C4B5	B- 2
C4B6	B- 2
C4B7	B- 3
C4B8	B- 3
C4B9	B- 3
C4C0	B- 3
C4C2	B- 3
C4C3	A- 3
C4C4	B- 3
C4C5	B- 3
C4C6	A- 2
C4C7	B- 2
C4C8	B- 2
C4C9	B- 3
C4D0	A- 3
C4D1	B- 2
C4D2	B- 2
C4D3	B- 2
C4D4	B- 2
C4D7	C- 2
C4G7	A- 3
C4G8	A- 3
C4G9	A- 2
C4J0	A- 3
C551	D- 6
C552	D- 7
C553	D- 7
C554	D- 6
C555	D- 6
C556	D- 7
C571	E- 7
C572	E- 7
C573	E- 6
C574	E- 6
C575	E- 6
C576	E- 6
C581	E- 7
C582	E- 7
C5A0	E- 2
C5A1	E- 2
C5A2	E- 2
C5A3	E- 3
C5A4	E- 2
C5A5	E- 3
C5A6	E- 4
C5A7	D- 3
C5A8	E- 4
C5A9	E- 4
C5B0	E- 4
C5B1	D- 3
C5B2	D- 3
C5B3	D- 3
C5B5	D- 2
C5B6	D- 2
C5B7	D- 2
C5B8	D- 2
C5B9	E- 2
C5C0	D- 4
C5C1	D- 4
C5C2	E- 2
C5C3	E- 2
C5C4	D- 2
C5D0	C- 7
C901	A- 2
C904	A- 1
C907	B- 1
C908	B- 1
C909	A- 1
C912	B- 1
C913	B- 1
C914	B- 1
C915	B- 1
C916	B- 1
C9A1	C- 1
C9A2	D- 1
C9A3	C- 1
C9A4	D- 1
C9A5	C- 1
C9A6	C- 1
C9A8	D- 1
C9A9	D- 1
C9B0	C- 1
C9B1	D- 1
C9B2	D- 1
C9B3	D- 1
C9B4	E- 1
C9B5	E- 1
C9C1	C- 1
C9C2	C- 1
D101	C- 4
D102	C- 4
D103	C- 6
D104	C- 7
D105	C- 6
D1Z1	A- 7
D201	B- 5
D2A0	C- 5
D2A1	C- 5
D2A2	D- 3
D2V0	C- 4
D3001	B- 6
D4A0	B- 3
D4A1	E- 2
D5A0	E- 7
D5A1	E- 7
D5A2	E- 1
D5A3	E- 6
D5A4	E- 6
D5A5	E- 1
D5A6	E- 2
D5A7	E- 3
D5A8	E- 3
D5A9	D- 3
D5B0	E- 1
D5B4	D- 4
D5B5	D- 2
D5C0	E- 5
D5C1	E- 3
D5C2	E- 4
D5C3	D- 4
D5C4	E- 4
D5C5	E- 4
D5C6	E- 4
D5C9	E- 1
D5CAN	E- 6
D5D0	E- 1
D5D4	D- 2
D5E2	D- 3
D5IRN	E- 6
D5JG	E- 6
D5LIN	E- 6
D5ME1	E- 6
D5ME2	E- 6
D5RAB	E- 6
D5SAS	E- 6
D901	B- 1
D903	B- 1
D904	B- 1
D905	B- 1
D906	B- 1
D907	B- 1
D908	B- 1
D9A1	C- 1
D9A2	C- 1
D9A3	C- 1
D9A4	C- 1
D9A5	D- 1
D9A6	D- 1
D9A7	D- 1
D9A8	E- 1
D9A9	D- 1
D9B0	E- 1
D9B1	E- 1
D9B2	C- 1
D9B3	D- 5
D9B4	D- 5
D9B5	E- 1
FC11	A- 2
FC12	A- 2
F901	A- 2
IC1A1	B- 7
IC201	B- 5
IC2A0	D- 5
IC2A1	D- 6
IC2V0	C- 4
IC3001	B- 4
IC301	B- 4
IC4A0	B- 2
IC4A1	C- 3
IC4A2	A- 3
IC551	D- 7
IC571	E- 6
IC5A0	E- 3
IC5A1	E- 4
IC5A2	E- 4
IC5A3	D- 5
IC5A4	D- 4
IC901	B- 1
IC9A1	C- 2
IC9A2	D- 1
J581	A- 5
L101	A- 7
L11	E- 7
L12	D- 7
L13	E- 4
L14	E- 2
L15	E- 2
L201	B- 5
L2A0	C- 5
L2A1	C- 6
L2A2	C- 6
L2E0	E- 6
L2E1	E- 6
L2E2	D- 6
L2H0	C- 5
L2H1	A- 6
L2J0	B- 7
L2V0	D- 4
L2V1	D- 5
L2V2	D- 4
L2V3	C- 4
L301	B- 5
L3601	B- 4
L3602	B- 6
L3603	B- 6
L3604	A- 6
L4A7	A- 2
L4A8	A- 3
L5	E- 2
L551	D- 7
L571	E- 6
L6	E- 3
L7	E- 6
L8	E- 1
L9	E- 3
L901	A- 1
L9A1	D- 1
L9A2	D- 1
MA	A- 3
MB	A- 3
MC	C- 2
MD	A- 3
ME	C- 7
MF	A- 6
MG	A- 4
MH	A- 4
MJ	E- 7
MK	E- 1
ML	A- 2
MM	E- 7
MN	D- 7
MS	A- 3
PC901	C- 1
PC902	B- 2
Q101	C- 6
Q102	C- 7
Q103	C- 5
Q104	C- 5
Q1C1	B- 7
Q1C2	B- 7
Q201	A- 6
Q202	A- 6
Q203	B- 5
Q204	A- 5
Q205	A- 5
Q206	A- 5
Q207	A- 5
Q208	B- 5
Q209	B- 5
Q2A0	C- 5
Q2A1	C- 5
Q2A2	C- 6
Q2A3	D- 5
Q2A4	D- 5
Q2E0	D- 5
Q2E1	D- 6
Q2E4	D- 5
Q2E5	D- 5
Q2E6	D- 5
Q2H0	C- 5
Q2H1	C- 5
Q2H2	C- 5
Q2H3	B- 6
Q2H4	B- 6
Q2H5	B- 6
Q2H6	C- 6
Q2H7	C- 6
Q2H8	A- 6
Q2J0	A- 7
Q2K0	D- 2
Q2K1	D- 3
Q2V0	D- 4
Q2V1	C- 4
Q2V2	C- 4
Q2V3	C- 5
Q2V4	D- 5
Q3001	B- 6
Q3002	B- 6
Q3003	B- 6
Q3004	B- 6
Q3601	B- 4
Q3602	B- 5
Q3603	B- 5
Q3604	B- 6
Q3605	B- 5
Q3606	B- 5
Q3607	B- 6
Q3608	B- 4
Q3609	C- 3
Q4A2	B- 2
Q4A4	A- 2
Q4A5	C- 2
Q4A6	A- 2
Q4C8	A- 2
Q571	E- 7
Q581	E- 7
Q5A0	D- 5
Q5A1	D- 3
Q5A2	E- 5
Q5A3	E- 1
Q5A4	E- 2
Q5A5	E- 2
Q5A6	C- 6
Q5A7	C- 2
Q5A8	D- 3
Q5A9	D- 2
Q5B0	D- 2
Q5B1	E- 2
Q5B2	D- 3
Q5B6	D- 5
Q5C1	D- 3
Q5C2	D- 3
Q5C3	E- 4
Q5C4	E- 7
Q9A1	D- 1
Q9A2	D- 1
Q9A3	D- 1
Q9A4	D- 1
Q9A5	D- 1
Q9A6	E- 1
Q9A7	E- 1
Q9A8	E- 1
Q9A9	E- 1
Q9B0	E- 1
Q9B1	E- 1
Q9B2	D- 1
Q9B3	D- 1
Q9B7	B- 2
Q9F0	E- 5
Q9F1	D- 5
Q9F2	E- 1
Q9F3	E- 1
Q9F4	D- 1
Q9F5	D- 1
Q9F6	D- 1
Q9F7	E- 1
R101	B- 7
R102	B- 7
R103	A- 7
R105	A- 7
R106	A- 6
R107	A- 7
R108	A- 6
R109	C- 6
R111	C- 6
R112	C- 7
R113	D- 5
R114	C- 5
R1A0	B- 7
R1A1	B- 7
R1A2	B- 7
R1A3	B- 6
R1A4	B- 6
R1A5	B- 7
R1A6	B- 7
R1B1	B- 7
R1B2	B- 7
R1C1	B- 7
R1C2	B- 7
R1C3	B- 7
R1C4	B- 7
R1C5	B- 7
R1C6	B- 7
R1C7	C- 7
R1C8	C- 6
R1Z1	A- 7
R201	B- 5
R202	B- 5
R203	B- 5
R205	B- 5
R206	B- 5
R207	B- 5
R208	B- 5
R209	B- 5
R210	B- 5
R216	B- 5
R217	B- 5
R218	A- 5
R219	A- 5
R220	A- 5
R221	A- 5
R222	A- 5
R223	C- 5
R2A0	D- 5
R2A1	D- 5
R2A2	D- 5
R2A3	C- 5
R2A4	C- 5
R2A5	C- 5
R2A6	C- 5
R2A7	C- 5
R2A8	D- 6
R2A9	C- 6
R2B0	C- 6
R2B1	C- 6
R2B2	D- 6
R2B3	E- 5
R2B4	D- 6
R2B5	D- 5
R2B6	D- 5
R2B7	D- 5
R2B8	D- 5
R2B9	D- 6
R2C0	C- 6
R2C1	D- 6
R2C2	D- 5
R2C3	D- 5
R2C4	C- 6
R2E0	E- 6
R2E1	D- 5
R2E3	C- 6
R2E4	E- 5
R2E5	D- 5
R2E6	D- 6
R2E7	D- 5
R2E8	D- 5
R2F1	D- 6
R2F6	D- 5
R2F7	D- 6
R2F8	D- 5
R2H0	C- 5
R2H1	C- 5
R2H2	D- 5
R2H3	C- 5
R2H4	B- 5
R2H5	C- 6
R2H6	C- 6
R2H7	D- 5
R2H8	B- 6
R2H9	A- 6
R2J0	A- 7
R2J1	A- 7
R2J2	A- 7
R2J3	A- 7
R2J4	A- 7
R2J5	A- 7
R2J8	A- 6
R2J9	A- 6
R2K0	D- 2
R2K1	D- 3
R2K3	D- 3
R2K6	D- 4
R2K7	D- 4
R2L0	C- 4
R2L1	C- 4
R2L2	B- 7
R2L3	B- 7
R2L4	B- 6
R2L5	B- 7
R2L6	B- 6
R2L7	A- 6
R2L8	A- 6
R2M0	C- 6
R2V0	D- 4
R2V2	D- 4
R2V3	D- 4
R2V4	D- 4
R2V5	C- 4
R2V6	C- 4
R2V7	C- 4
R2V8	D- 5
R2V9	D- 5
R2W0	C- 5
R2W1	C- 4
R2W2	C- 5
R2W3	C- 4
R2W4	C- 4
R2W5	C- 4
R3002	B- 3
R3003	B- 3
R3004	B- 3
R3005	B- 3
R3006	C- 6
R3007	C- 6
R3008	C- 6
R3009	C- 6
R3010	C- 4
R3011	C- 4
R3012	B- 6
R3013	B- 6
R3014	B- 5
R3015	B- 6
R3016	B- 6
R3017	B- 6
R3018	B- 6
R3019	B- 4
R302	A- 4
R3020	C- 5
R3021	C- 4
R3022	C- 4
R3023	C- 4
R3024	B- 4
R3025	B- 3
R3026	B- 3
R3027	B- 3
R303	B- 4
R3031	C- 4
R3032	B- 4
R3033	C- 5
R3034	B- 5
R3035	A- 4
R3036	A- 4
R3037	A- 4
R3038	A- 4
R304	B- 4
R305	B- 5
R306	B- 4
R307	A- 4
R308	A- 4
R309	A- 4
R310	A- 4
R3100	B- 6
R3101	B- 6
R3102	B- 6
R3103	B- 6
R3104	B- 6

SYMBOL NO.	ADDRESS
C3620	B- 3
C3621	B- 3
C3622	B- 3
C4A0	B- 2
C4A1	C- 3
C4A2	A- 2
C4A4	C- 2
C4A6	C- 2
C4A7	B- 2
C4A8	B- 2
C4A9	B- 2
C4B0	B- 3
C4B1	B- 2
C4B2	B- 2
C4B3	B- 3
C4B4	B- 2
C4B5	B- 2
C4B6	B- 2
C4B7	B- 3
C4B8	B- 3
C4B9	B- 3
C4C0	B- 3
C4C2	B- 3
C4C3	A- 3
C4C4	B- 3
C4C5	B- 3
C4C6	A- 2
C4C7	B- 2
C4C8	B- 2
C4C9	B- 3
C4D0	A- 3
C4D1	B- 2
C4D2	B- 2
C4D3	B- 2
C4D4	B- 2
C4D7	C- 2
C4G7	A- 3
C4G8	A- 3
C4G9	A- 2
C4J0	A- 3
C551	D- 6
C552	D- 7
C553	D- 7
C554	D- 6
C555	D- 6
C556	D- 7
C571	E- 7
C572	E- 7
C573	E- 6
C574	E- 6
C575	E- 6
C576	E- 6
C581	E- 7
C582	E- 7
C5A0	E- 2
C5A1	E- 2
C5A2	E- 2
C5A3	E- 3
C5A4	E- 2
C5A5	E- 3

SYMBOL NO.	ADDRESS
C5A6	E- 4
C5A7	D- 3
C5A8	E- 4
C5A9	E- 4
C5B0	E- 4
C5B1	D- 3
C5B2	D- 3
C5B3	D- 3
C5B5	D- 2
C5B6	D- 2
C5B7	D- 2
C5B8	D- 2
C5B9	E- 2
C5C0	D- 4
C5C1	D- 4
C5C2	E- 2
C5C3	E- 2
C5C4	D- 2
C5D0	C- 7
C901	A- 2
C904	A- 1
C907	B- 1
C908	B- 1
C909	A- 1
C912	B- 1
C913	B- 1
C914	B- 1
C915	B- 1
C916	B- 1
C9A1	C- 1
C9A2	D- 1
C9A3	C- 1
C9A4	D- 1
C9A5	C- 1
C9A6	C- 1
C9A8	D- 1
C9A9	D- 1
C9B0	C- 1
C9B1	D- 1
C9B2	D- 1
C9B3	D- 1
C9B4	E- 1
C9B5	E- 1
C9C1	C- 1
C9C2	C- 1
D101	C- 4
D102	C- 4
D103	C- 6
D104	C- 7
D105	C- 6
D1Z1	A- 7
D201	B- 5
D2A0	C- 5
D2A1	C- 5
D2A2	D- 3
D2V0	C- 4
D3001	B- 6
D4A0	B- 3
D4A1	E- 2

SYMBOL NO.	ADDRESS
D5A0	E- 7
D5A1	E- 7
D5A2	E- 1
D5A3	E- 6
D5A4	E- 6
D5A5	E- 1
D5A6	E- 2
D5A7	E- 3
D5A8	E- 3
D5A9	D- 3
D5B0	E- 1
D5B4	D- 4
D5B5	D- 2
D5C0	E- 5
D5C1	E- 3
D5C2	E- 4
D5C3	D- 4
D5C4	E- 4
D5C5	E- 4
D5C6	E- 4
D5C9	E- 1
D5CAN	E- 6
D5D0	E- 1
D5D4	D- 2
D5E2	D- 3
D5IRN	E- 6
D5JG	E- 6
D5LIN	E- 6
D5ME1	E- 6
D5ME2	E- 6
D5RAB	E- 6
D5SAS	E- 6
D901	B- 1
D903	B- 1
D904	B- 1
D905	B- 1
D906	B- 1
D907	B- 1
D908	B- 1
D9A1	C- 1
D9A2	C- 1
D9A3	C- 1
D9A4	C- 1
D9A5	D- 1
D9A6	D- 1
D9A7	D- 1
D9A8	E- 1
D9A9	D- 1
D9B0	E- 1
D9B1	E- 1
D9B2	C- 1
D9B3	D- 5
D9B4	D- 5
D9B5	E- 1
FC11	A- 2
FC12	A- 2
F901	A- 2
IC1A1	B- 7

SYMBOL NO.	ADDRESS
IC201	B- 5
IC2A0	D- 5
IC2A1	D- 6
IC2V0	C- 4
IC3001	B- 4
IC301	B- 4
IC4A0	B- 2
IC4A1	C- 3
IC4A2	A- 3
IC551	D- 7
IC571	E- 6
IC5A0	E- 3
IC5A1	E- 4
IC5A2	E- 4
IC5A3	D- 5
IC5A4	D- 4
IC901	B- 1
IC9A1	C- 2
IC9A2	D- 1
J581	A- 5
L101	A- 7
L11	E- 7
L12	D- 7
L13	E- 4
L14	E- 2
L15	E- 2
L201	B- 5
L2A0	C- 5
L2A1	C- 6
L2A2	C- 6
L2E0	E- 6
L2E1	E- 6
L2E2	D- 6
L2H0	C- 5
L2H1	A- 6
L2J0	B- 7
L2V0	D- 4
L2V1	D- 5
L2V2	D- 4
L2V3	C- 4
L301	B- 5
L3601	B- 4
L3602	B- 6
L3603	B- 6
L3604	A- 6
L4A7	A- 2
L4A8	A- 3
L5	E- 2
L551	D- 7
L571	E- 6
L6	E- 3
L7	E- 6
L8	E- 1
L9	E- 3
L901	A- 1
L9A1	D- 1
L9A2	D- 1

SYMBOL NO.	ADDRESS
MA	A- 3
MB	A- 3
MC	C- 2
MD	A- 3
ME	C- 7
MF	A- 6
MG	A- 4
MH	A- 4
MJ	E- 7
MK	E- 1
ML	A- 2
MM	E- 7
MN	D- 7
MS	A- 3
PC901	C- 1
PC902	B- 2
Q101	C- 6
Q102	C- 7
Q103	C- 5
Q104	C- 5
Q1C1	B- 7
Q1C2	B- 7
Q201	A- 6
Q202	A- 6
Q203	B- 5
Q204	A- 5
Q205	A- 5
Q206	A- 5
Q207	A- 5
Q208	B- 5
Q209	B- 5
Q2A0	C- 5
Q2A1	C- 5
Q2A2	C- 6
Q2A3	D- 5
Q2A4	D- 5
Q2E0	D- 5
Q2E1	D- 6
Q2E4	D- 5
Q2E5	D- 5
Q2E6	D- 5
Q2H0	C- 5
Q2H1	C- 5
Q2H2	C- 5
Q2H3	B- 6
Q2H4	B- 6
Q2H5	B- 6
Q2H6	C- 6
Q2H7	C- 6
Q2H8	A- 6
Q2J0	A- 7
Q2K0	D- 2
Q2K1	D- 3
Q2V0	D- 4
Q2V1	C- 4
Q2V2	C- 4
Q2V3	C- 5
Q2V4	D- 5

SYMBOL NO.	ADDRESS
Q3001	B- 6
Q3002	B- 6
Q3003	B- 6
Q3004	B- 6
Q3601	B- 4
Q3602	B- 5
Q3603	B- 5
Q3604	B- 6
Q3605	B- 5
Q3606	B- 5
Q3607	B- 6
Q3608	B- 4
Q3609	C- 3
Q4A2	B- 2
Q4A4	A- 2
Q4A5	C- 2
Q4A6	A- 2
Q4C8	A- 2
Q571	E- 7
Q581	E- 7
Q5A0	D- 5
Q5A1	D- 3
Q5A2	E- 5
Q5A3	E- 1
Q5A4	E- 2
Q5A5	E- 2
Q5A6	C- 6
Q5A7	C- 2
Q5A8	D- 3
Q5A9	D- 2
Q5B0	D- 2
Q5B1	E- 2
Q5B2	D- 3
Q5B6	D- 5
Q5C1	D- 3
Q5C2	D- 3
Q5C3	E- 4
Q5C4	E- 7
Q9A1	D- 1
Q9A2	D- 1
Q9A3	D- 1
Q9A4	D- 1
Q9A5	D- 1
Q9A6	E- 1
Q9A7	E- 1
Q9A8	E- 1
Q9A9	E- 1
Q9B0	E- 1
Q9B1	E- 1
Q9B2	D- 1
Q9B3	D- 1
Q9B7	B- 2
Q9F0	E- 5
Q9F1	D- 5
Q9F2	E- 1
Q9F3	E- 1
Q9F4	D- 1
Q9F5	D- 1
Q9F6	D- 1
Q9F7	E- 1

SYMBOL NO.	ADDRESS
R101	B- 7
R102	B- 7
R103	A- 7
R105	A- 7
R106	A- 6
R107	A- 7
R108	A- 6
R109	C- 6
R111	C- 6
R112	C- 7
R113	D- 5
R114	C- 5
R1A0	B- 7
R1A1	B- 7
R1A2	B- 7
R1A3	B- 6
R1A4	B- 6
R1A5	B- 7
R1A6	B- 7
R1B1	B- 7
R1B2	B- 7
R1C1	B- 7
R1C2	B- 7
R1C3	B- 7
R1C4	B- 7
R1C5	B- 7
R1C6	B- 7
R1C7	C- 7
R1C8	C- 6
R1Z1	A- 7
R201	B- 5
R202	B- 5
R203	B- 5
R205	B- 5
R206	B- 5
R207	B- 5
R208	B- 5
R209	B- 5
R210	B- 5
R216	B- 5
R217	B- 5
R218	A- 5
R219	A- 5
R220	A- 5
R221	A- 5
R222	A- 5
R223	C- 5
R2A0	D- 5
R2A1	D- 5
R2A2	D- 5
R2A3	C- 5
R2A4	C- 5
R2A5	C- 5
R2A6	C- 5
R2A7	C- 5
R2A8	D- 6
R2A9	C- 6
R2B0	C- 6
R2B1	C- 6
R2B2	D- 6

SYMBOL NO.	ADDRESS
R2B3	E- 5
R2B4	D- 6
R2B5	D- 5
R2B6	D- 5
R2B7	D- 5
R2B8	D- 5
R2B9	D- 6
R2C0	C- 6
R2C1	D- 6
R2C2	D- 5
R2C3	D- 5
R2C4	C- 6
R2E0	E- 6
R2E1	D- 5
R2E3	C- 6
R2E4	E- 5
R2E5	D- 5
R2E6	D- 6
R2E7	D- 5
R2E8	D- 5
R2F1	D- 6
R2F6	D- 5
R2F7	D- 6
R2F8	D- 5
R2H0	C- 5
R2H1	C- 5
R2H2	D- 5
R2H3	C- 5
R2H4	B- 5
R2H5	C- 6
R2H6	C- 6
R2H7	D- 5
R2H8	B- 6
R2H9	A- 6
R2J0	A- 7
R2J1	A- 7
R2J2	A- 7
R2J3	A- 7
R2J4	A- 7
R2J5	A- 7
R2J8	A- 6
R2J9	A- 6
R2K0	D- 2
R2K1	D- 3
R2K3	D- 3
R2K6	D- 4
R2K7	D- 4
R2L0	C- 4
R2L1	C- 4
R2L2	B- 7
R2L3	B- 7
R2L4	B- 6
R2L5	B- 7
R2L6	B- 6
R2L7	A- 6
R2L8	A- 6
R2M0	C- 6
R2V0	D- 4
R2V2	D- 4
R2V3	D- 4

SYMBOL NO.	ADDRESS
R2V4	D- 4
R2V5	C- 4
R2V6	C- 4
R2V7	C- 4
R2V8	D- 5
R2V9	D- 5
R2W0	C- 5
R2W1	C- 4
R2W2	C- 5
R2W3	C- 4
R2W4	C- 4
R2W5	C- 4
R3002	B- 3
R3003	B- 3
R3004	B- 3
R3005	B- 3
R3006	C- 6
R3007	C- 6
R3008	C- 6
R3009	C- 6
R3010	C- 4
R3011	C- 4
R3012	B- 6
R3013	B- 6
R3014	B- 5
R3015	B- 6
R3016	B- 6
R3017	B- 6
R3018	B- 6
R3019	B- 4
R302	A- 4
R3020	C- 5
R3021	C- 4
R3022	C- 4
R3023	C- 4
R3024	B- 4
R3025	B- 3
R3026	B- 3
R3027	B- 3
R303	B- 4
R3031	C- 4
R3032	B- 4
R3033	C- 5
R3034	B- 5
R3035	A- 4
R3036	A- 4
R3037	A- 4
R3038	A- 4
R304	B- 4
R305	B- 5
R306	B- 4
R307	A- 4
R308	A- 4
R309	A- 4
R310	A- 4
R3100	B- 6
R3101	B- 6
R3102	B- 6
R3103	B- 6
R3104	B- 6

SYMBOL NO.	ADDRESS
R3105	B- 6
R3106	B- 6
R311	A- 4
R312	A- 4
R313	B- 4
R314	B- 5
R3601	B- 4
R3602	B- 4
R3603	B- 4
R3604	B- 4
R3605	B- 4
R3606	B- 4
R3607	B- 4
R3608	B- 4
R3609	B- 4
R3610	B- 4
R3611	B- 4
R3612	B- 4
R3613	B- 5
R3614	B- 5
R3615	B- 4
R3616	A- 6
R3617	B- 6
R3618	B- 5
R3619	B- 5
R3620	B- 6
R3621	B- 3
R3622	B- 3
R3623	B- 3
R3699	A- 6
R4A0	C- 2
R4A1	C- 2
R4A2	B- 2
R4A3	C- 2
R4A4	C- 2
R4A5	E- 2
R4A6	C- 3
R4A7	C- 2
R4A8	C- 2
R4A9	C- 3
R4B0	C- 3
R4B1	C- 2
R4B2	C- 2
R4B3	C- 2
R4B4	C- 3
R4B5	C- 2
R4B6	C- 2
R4B7	B- 2
R4B8	B- 2
R4B9	B- 2
R4C0	B- 2
R4C1	A- 2
R4C2	A- 2
R4C3	C- 3
R4C4	A- 2
R4C5	A- 2
R4C6	B- 3
R4C7	B- 2
R4C8	B- 2
R4C9	B- 2

SYMBOL NO.	ADDRESS
R4D0	B- 2
R4D1	B- 2
R4D2	B- 3
R4D3	B- 3
R4D4	B- 3
R4D5	B- 3
R4D6	A- 3
R4D8	A- 3
R4D9	A- 3
R4E0	A- 3
R4E1	B- 2
R4E2	C- 2
R4E3	C- 2
R4F0	C- 3
R4F1	B- 3
R4F2	E- 2
R4S1	A- 3
R4S5	A- 2
R4S6	A- 2
R4S7	A- 2
R4S9	A- 3
R551	D- 7
R552	D- 7
R553	D- 7
R554	D- 7
R555	D- 7
R556	D- 7
R557	D- 7
R571	E- 6
R572	E- 7
R573	E- 7
R574	E- 7
R575	E- 6
R582	E- 7
R583	E- 7
R584	E- 7
R585	E- 7
R5A0	E- 3
R5A1	E- 5
R5A2	D- 3
R5A3	E- 5
R5A5	E- 5
R5A8	E- 1
R5A9	E- 1
R5B0	E- 1
R5B1	E- 2
R5B2	E- 2
R5B3	E- 2
R5B4	D- 4
R5B5	D- 6
R5B6	D- 2
R5B7	D- 2
R5B8	D- 3
R5B9	D- 2
R5C0	D- 2
R5C1	E- 1
R5C2	E- 4
R5C3	E- 4
R5C4	E- 4
R5C5	E- 4

SYMBOL NO.	ADDRESS
R5C6	E- 4
R5C7	E- 4
R5D3	D- 4
R5D4	E- 2
R5D5	E- 2
R5D6	E- 2
R5D7	E- 2
R5D8	D- 3
R5D9	D- 3
R5E0	D- 4
R5E1	D- 5
R5E2	D- 5
R5E3	D- 2
R5E4	D- 2
R5E5	D- 2
R5E6	E- 2
R5E7	E- 2
R5E8	E- 2
R5E9	E- 2
R5F0	D- 4
R5F4	E- 4
R5F7	E- 4
R5F8	E- 4
R5F9	D- 4
R5G0	D- 2
R5G1	E- 5
R5G2	E- 3
R5G3	E- 3
R5G4	C- 7
R5G5	D- 3
R5G6	D- 3
R5G7	D- 3
R5G8	D- 3
R5G9	E- 2
R5H0	E- 2
R5H1	D- 2
R5H3	E- 2
R5H4	E- 1
R5H5	E- 1
R5H6	E- 1
R5H7	E- 5
R5H8	E- 4
R5H9	E- 4
R5J1	D- 3
R5J2	E- 4
R5J3	B- 5
R5J4	C- 5
R5J5	D- 2
R5J6	E- 7
R5J7	D- 4
R5J8	D- 4
R5K0	C- 7
R901	B- 1
R902	A- 2
R906	B- 1
R907	B- 1
R908	B- 1
R910	A- 1
R911	B- 1
R912	B- 1

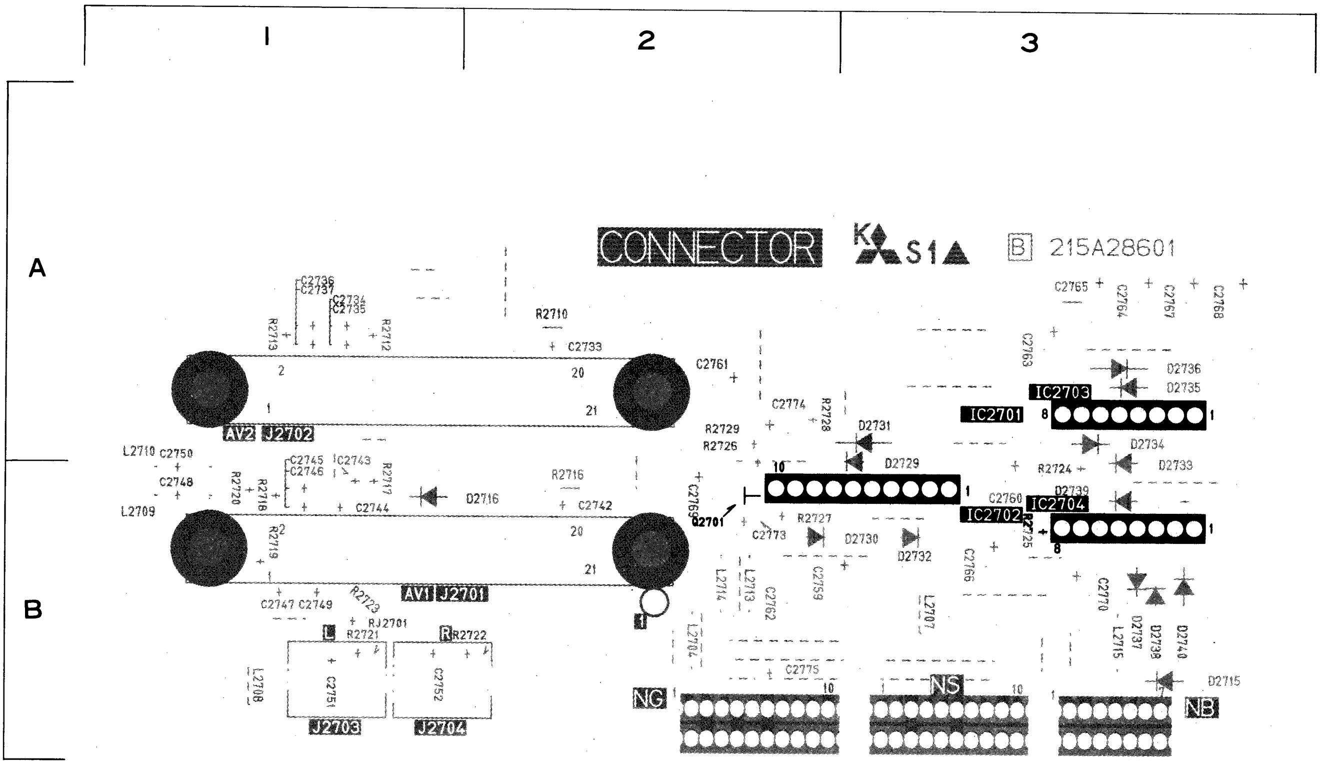
SYMBOL NO.	ADDRESS
R913	B- 2
R914	B- 1
R915	B- 1
R916	B- 1
R9A1	C- 2
R9A2	C- 1
R9A3	C- 2
R9A5	D- 1
R9A6	D- 1
R9A7	D- 1
R9A8	D- 1
R9A9	D- 1
R9B1	D- 1
R9B2	E- 1
R9B3	D- 1
R9B4	E- 1
R9B5	E- 1
R9B6	E- 1
R9B7	E- 1
R9B8	E- 1
R9C0	E- 1
R9C1	E- 1
R9C2	C- 2
R9C3	E- 1
R9C4	D- 5
R9C5	D- 1
R9C9	C- 2
R9D1	D- 1
R9E1	D- 1
R9E2	D- 1
R9E3	D- 1
R9E4	D- 1
R9E5	E- 1
R9E6	E- 1
R9E7	D- 1
R9E8	B- 2
R9E9	C- 1
R9F0	E- 5
R9F1	E- 1
R9F2	E- 1
RJ10	A- 5
RJ12	A- 5
RJ13	A- 5
RJ14	C- 5
RJ15	C- 5
RJ22	B- 2
RJ23	C- 2
RJ24	C- 2
RJ32	D- 6
RJ33	D- 6
RJ34	D- 5
RJ35	C- 5
RJ36	D- 5
RJ37	B- 6
RJ38	D- 5
RJ39	E- 4
RJ4	B- 6
RJ40	C- 4
RJ41	E- 4
RJ44	D- 2

SYMBOL NO.	ADDRESS
RJ45	D- 2
RJ46	E- 2
RJ47	E- 2
RJ48	E- 2
RJ50	E- 5
RJ53	E- 1
RJ6	A- 6
RJ63	E- 3
RJ64	E- 1
RJ65	E- 1
RJ66	E- 1
RJ67	C- 6
RJ68	B- 6
RJ69	B- 6
RJ7	B- 6
RJ70	C- 6
RJ71	E- 2
RJ72	C- 6
RJ73	B- 7
RJ74	C- 6
RJ8	B- 6
RJ9	C- 6
RZ117	B- 3
RZ118	B- 3
RZ15	C- 7
RZ186	D- 7
RZ188	D- 7
RZ189	D- 7
RZ191	D- 6
RZ218	E- 6
RZ219	E- 6
RZ22	A- 6
RZ222	E- 6
RZ223	E- 6
RZ232	E- 5
RZ253	D- 4
RZ256	D- 4
RZ257	D- 4
RZ268	E- 4
RZ275	E- 4
RZ286	D- 4
RZ302	D- 4
RZ353	D- 2
RZ417	C- 5
RZ418	A- 4
RZ524	C- 7
RZ74	C- 5
RZ89	C- 5
RZ99	A- 4
S101	A- 6
S102	A- 6
S5A0	E- 7
S5A1	E- 7
S5A2	E- 1
S5A3	E- 6
S5A4	E- 6
S5A5	E- 1
S5A6	E- 2
S5A7	E- 3

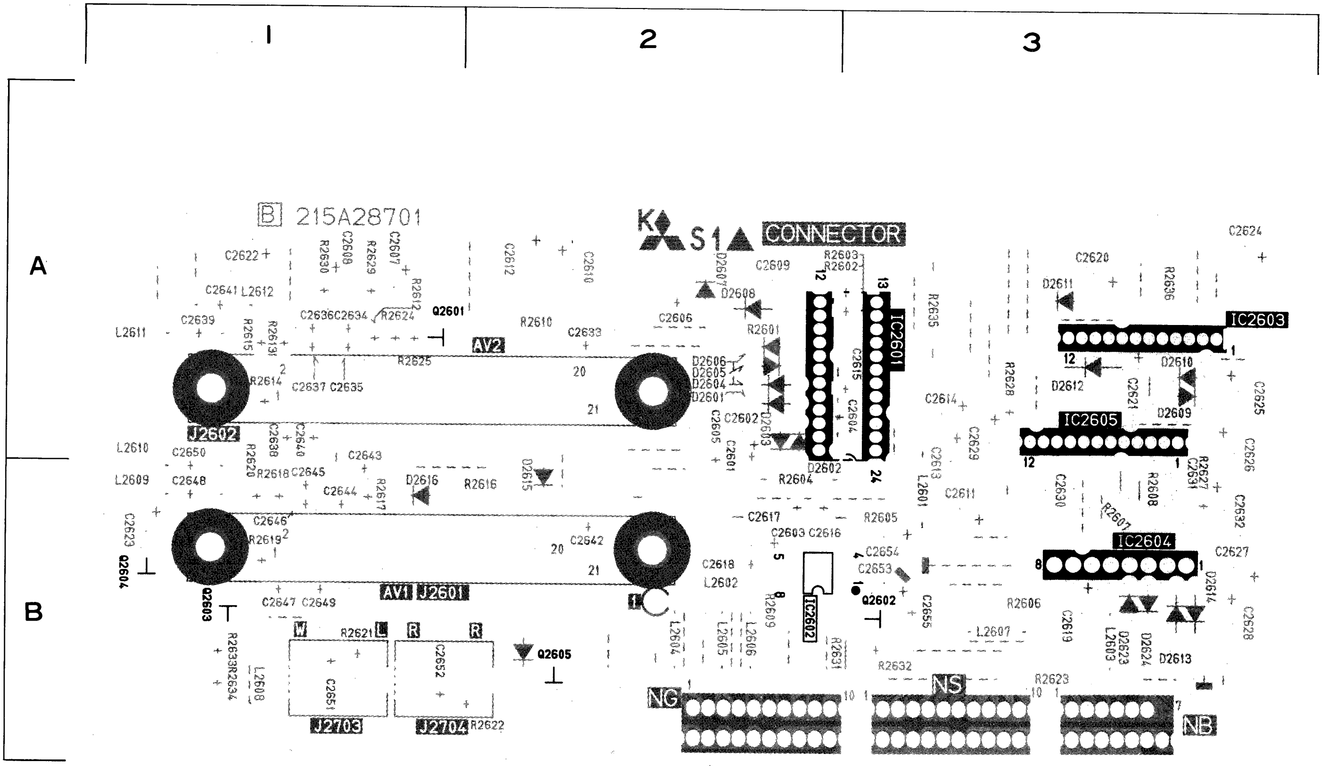
SYMBOL NO.	ADDRESS
S5A8	E- 2
S5A9	E- 1
S5B0	E- 1
S5B1	A- 5
SA901	A- 2
T3601	B- 6
T3602	B- 6
T901	C- 1
TP-2M	C- 5
TP-RESET	E- 7
TP01	B- 7
TP02	B- 7
TP11	C- 7
TP15	C- 7
TP16	C- 6
TP1S	C- 7
TP1V	C- 7
TP2A	B- 6
TP2B	D- 6
TP2H	A- 6
TP2H	B- 6
TP2J	A- 7
TP2S	C- 5
TP3N	B- 6
TP3S	A- 5
TP3S	B- 6
TP3Y	A- 5
TP4C	B- 3
TP4C	B- 6
TP4C0	C- 2
TP4C1	B- 2
TP4C2	B- 2
TP4D1	B- 3
TP4D2	B- 3
TP4F1	B- 3
TP4G1	A- 2
TP4M	A- 3
TP4M1	B- 3
TP5A	B- 6
TP5A	D- 7
TP5B	B- 6
TP5B	D- 7
TP5C	D- 7
TP5C	E- 5
TP5C1	E- 3
TP5CS1	E- 4
TP5CS2	E- 4
TP5CU	C- 4
TP5D0	E- 4
TP5DI	D- 4
TP5ES	C- 7
TP5F	E- 2
TP5HS	C- 5
TP5LC	D- 4
TP5LS	E- 5
TP5LT	D- 3
TP5P0	D- 3
TP5P1	D- 3

SYMBOL NO.	ADDRESS
TP5P2	D- 3
TP5R0	D- 4
TP5RI	E- 3
TP5RM	E- 2
TP5SK	E- 4
TP5SS	D- 3
TP5SSV	D- 5
TP5SU	E- 5
TP5T	E- 2
TP5TU	E- 3
TP5X	E- 2
TP5Y	E- 6
TP9Z	E- 1
TPGND	C- 6
TU01	A- 7
V5A0	E- 5
VR4A0	A- 3
X2A0	D- 6
X4A0	A- 3
X571	E- 6
X5A0	D- 2
X5A1	D- 2
Z5A0	E- 3

PCB-CONNECTOR (HS-751V(B)/V(IR))


1
2
3
A
B
CONNECTOR
S1
B 215A28601
AV2 J2702
AV1 J2701
J2703
J2704
L
R
IC2701
IC2702
IC2703
IC2704
Q2701
NG
NS
NB
D2716
D2729
D2730
D2731
D2732
D2733
D2734
D2735
D2736
D2715
R2710
R2716
R2724
R2726
R2727
R2728
R2729
RJ2701
R2721
R2722
C2733
C2742
C2744
C2761
C2774
C2775
C2765
L2707
L2708
L2709
L2710
L2704
L2715

PCB-CONNECTOR (HS-751V(E)/V(GY))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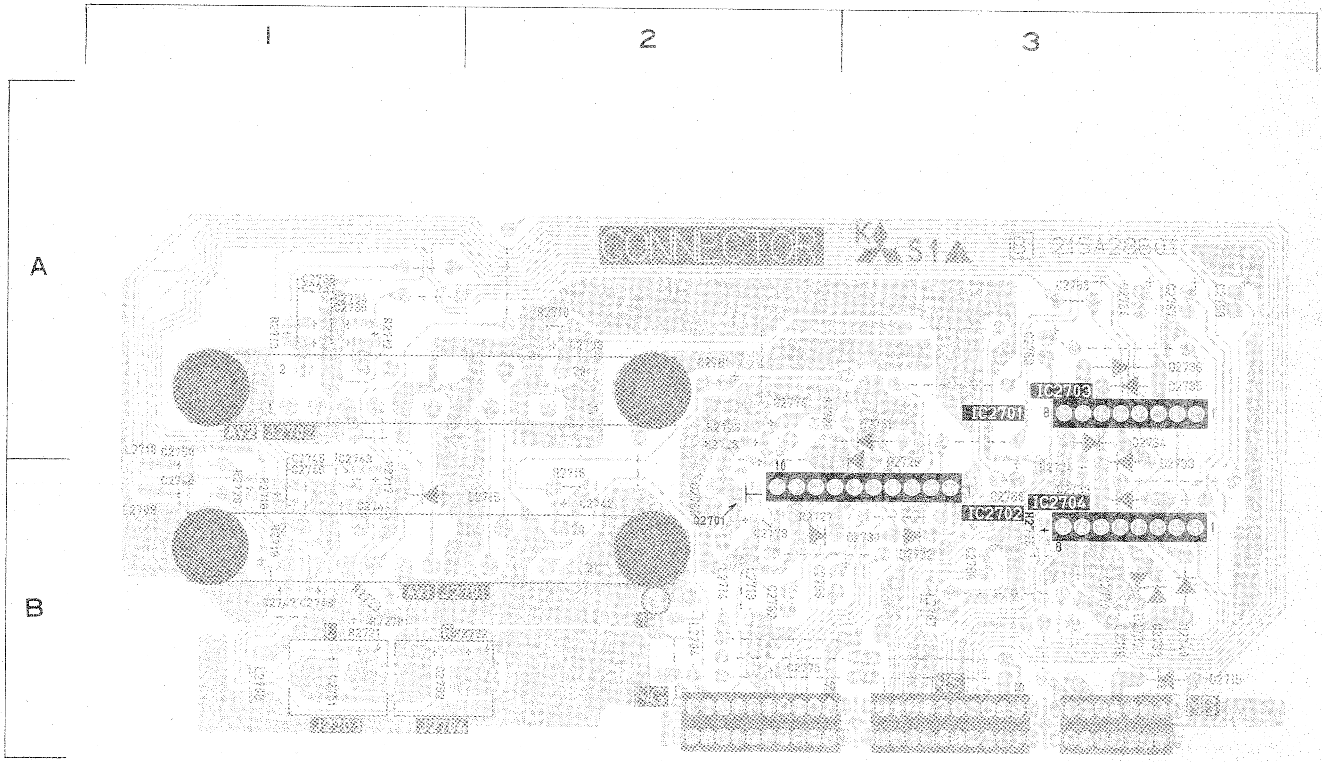
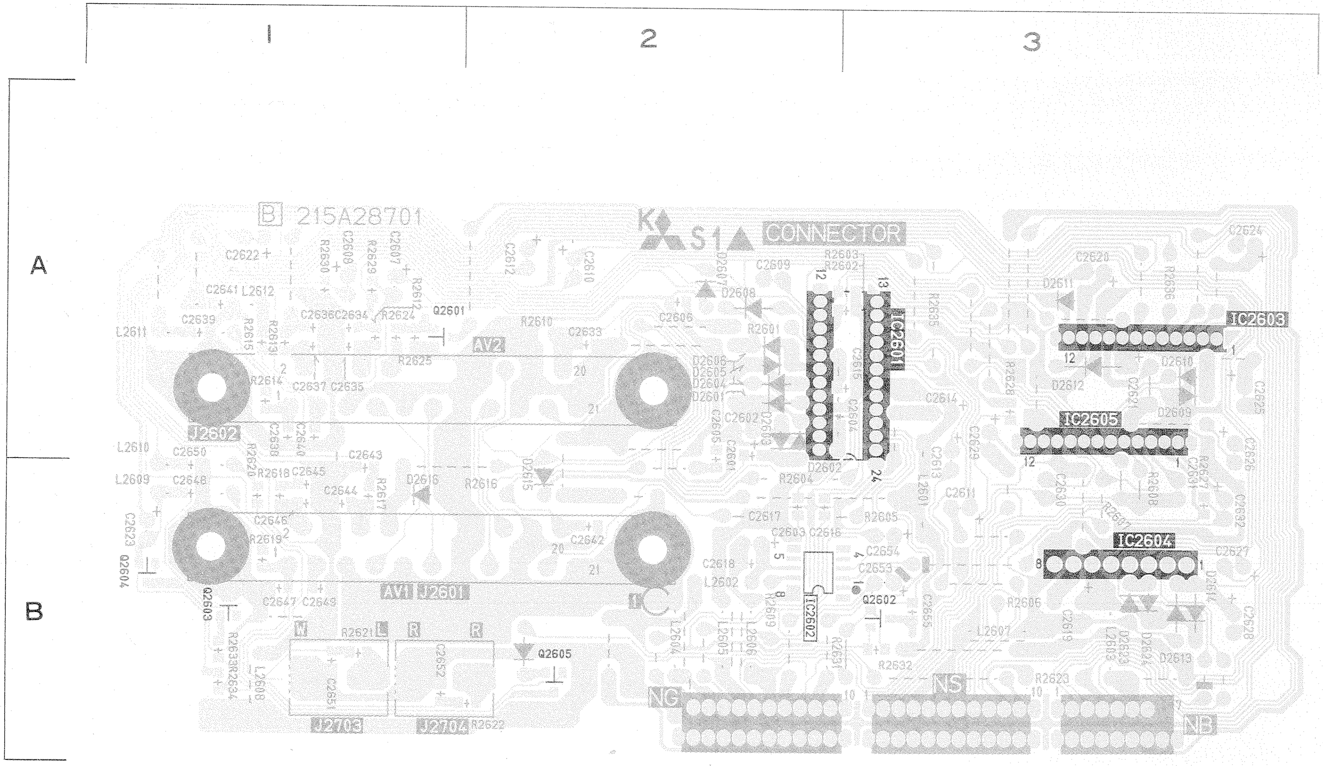
2
3
A
B
B 215A28701
S1
CONNECTOR
AV2
J2602
AV1 J2601
J2703
J2704
W
L
R
R
IC2601
IC2602
IC2603
IC2604
IC2605
Q2601
Q2602
Q2603
Q2604
Q2605
NG
NS
NB
D2601
D2602
D2603
D2604
D2605
D2606
D2607
D2608
D2609
D2610
D2611
D2612
D2613
D2614
D2615
D2616
R2601
R2604
R2605
R2606
R2607
R2610
R2616
R2621
R2622
R2623
R2632
C2606
C2609
C2610
C2611
C2612
C2617
C2620
C2622
C2624
C2627
C2628
C2633
C2642
C2643
C2644
C2645
L2601
L2602
L2607
L2609
L2610
L2611
L2612

PCB-CONNECTOR (HS-751V(B)/V(IR))


1
2
3
A
B
CONNECTOR
S1
215A28601
AV2 J2702
AV1 J2701
IC2701
IC2702
IC2703
IC2704
Q2701
D2716
J2703
J2704
NG
NS
NB
L
R

PCB-CONNECTOR (HS-751V(E)/V(GY))


1
2
3
A
B
215A28701
S1
CONNECTOR
AV2
J2602
AV1 J2601
IC2601
IC2602
IC2603
IC2604
IC2605
Q2601
Q2602
Q2603
Q2604
Q2605
J2703
J2704
NG
NS
NB

PCB-CONNECTOR (HS-751V(B)/V(IR))

SYMBOL NO.	ADDRESS
C2733	A- 2
C2734	A- 1
C2735	A- 1
C2736	A- 1
C2737	A- 1
C2742	B- 2
C2743	B- 1
C2744	B- 1
C2745	B- 1
C2746	B- 1
C2747	B- 1
C2748	B- 1
C2749	B- 1
C2750	B- 1
C2751	B- 1
C2752	B- 1
C2759	B- 3
C2760	B- 3
C2761	A- 2
C2762	B- 2
C2763	A- 3
C2764	A- 3
C2765	A- 3
C2766	B- 3
C2767	A- 3
C2768	A- 3
C2769	B- 2
C2770	B- 3
C2773	A- 2
C2774	A- 2

SYMBOL NO.	ADDRESS
C2775	B- 2
D2715	B- 3
D2716	B- 1
D2729	B- 3
D2730	B- 3
D2731	A- 3
D2732	B- 3
D2733	B- 3
D2734	A- 3
D2735	A- 3
D2736	A- 3
D2737	B- 3
D2738	B- 3
D2739	B- 3
D2740	B- 3
IC2701	A- 3
IC2702	B- 3
IC2703	A- 3
IC2704	B- 3
J2701	B- 1
J2702	A- 1
J2703	B- 1
J2704	B- 2
L2704	B- 2
L2707	B- 3
L2708	B- 1

SYMBOL NO.	ADDRESS
L2709	B- 1
L2710	B- 1
L2713	B- 2
L2714	B- 2
L2715	B- 3
NB	B- 3
NG	B- 2
NS	B- 3
Q2701	B- 2
R2710	A- 2
R2712	A- 1
R2713	A- 1
R2716	B- 2
R2717	B- 1
R2718	B- 1
R2719	B- 1
R2720	B- 1
R2721	B- 1
R2722	B- 2
R2723	B- 1
R2724	B- 3
R2725	B- 3
R2726	B- 2
R2727	B- 2
R2728	A- 2
R2729	B- 2
RJ2701	B- 1

PCB-CONNECTOR (HS-751V(E)/V(GY))

SYMBOL NO.	ADDRESS
C2601	B- 2
C2602	A- 2
C2603	B- 2
C2604	A- 3
C2605	B- 2
C2606	A- 2
C2607	A- 1
C2608	A- 1
C2609	A- 2
C2610	A- 2
C2611	B- 3
C2612	A- 2
C2613	B- 3
C2614	A- 3
C2615	A- 3
C2616	B- 3
C2617	B- 2
C2618	B- 2
C2619	B- 3
C2620	A- 3
C2621	A- 3
C2622	A- 1
C2623	B- 1
C2624	A- 4
C2625	A- 4
C2626	A- 4
C2627	B- 4
C2628	B- 4
C2629	A- 3
C2630	B- 3

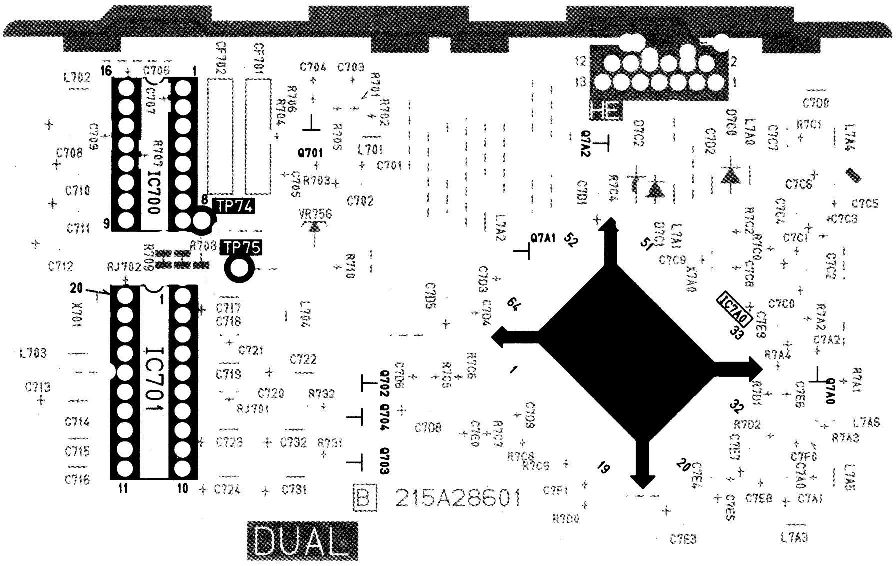
SYMBOL NO.	ADDRESS
C2631	B- 3
C2632	B- 4
C2633	A- 2
C2634	A- 1
C2635	A- 1
C2636	A- 1
C2637	A- 1
C2638	B- 1
C2639	A- 1
C2640	B- 1
C2641	A- 1
C2642	B- 2
C2643	B- 1
C2644	B- 1
C2645	B- 1
C2646	B- 1
C2647	B- 1
C2648	B- 1
C2649	B- 1
C2650	B- 1
C2651	B- 1
C2652	B- 2
C2653	B- 3
C2654	B- 3
C2655	B- 3
D2601	A- 2
D2602	A- 2
D2603	B- 2
D2604	A- 2

SYMBOL NO.	ADDRESS
D2605	A- 2
D2606	A- 2
D2607	A- 2
D2608	A- 2
D2609	A- 4
D2610	A- 3
D2611	A- 3
D2612	A- 3
D2613	B- 3
D2614	B- 3
D2615	B- 2
D2616	B- 1
D2623	B- 3
D2624	B- 3
D2625	B- 2
IC2601	B- 2
IC2602	B- 3
IC2603	A- 4
IC2604	B- 3
IC2605	A- 3
J2601	B- 1
J2602	A- 1
J2703	B- 1
J2704	B- 2
L2601	B- 3
L2602	B- 2
L2603	B- 3

SYMBOL NO.	ADDRESS
L2604	B- 2
L2605	B- 2
L2606	B- 2
L2607	B- 3
L2608	B- 1
L2609	B- 1
L2610	B- 1
L2611	A- 1
L2612	A- 1
NB	B- 3
NG	B- 2
NS	B- 3
Q2601	A- 2
Q2602	B- 3
Q2603	B- 1
Q2604	B- 1
Q2605	B- 2
R2601	A- 2
R2602	A- 3
R2603	A- 3
R2604	B- 3
R2605	B- 3
R2606	B- 3
R2607	B- 3
R2608	B- 3
R2609	B- 2
R2610	A- 2

SYMBOL NO.	ADDRESS
R2612	A- 1
R2613	A- 1
R2614	A- 1
R2615	A- 1
R2616	B- 2
R2617	B- 1
R2618	B- 1
R2619	B- 1
R2620	B- 1
R2621	B- 1
R2622	B- 2
R2623	B- 3
R2624	A- 1
R2625	A- 1
R2627	B- 4
R2628	A- 3
R2629	A- 1
R2630	A- 1
R2631	B- 3
R2632	B- 3
R2633	B- 1
R2634	B- 1
R2635	A- 3
R2636	A- 3

PCB－DUAL（HS－751V(B)/V(IR)）



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IC701
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TP74
TP75
Q701
Q702
Q703
Q704
Q7A0
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Q7A2
VR756
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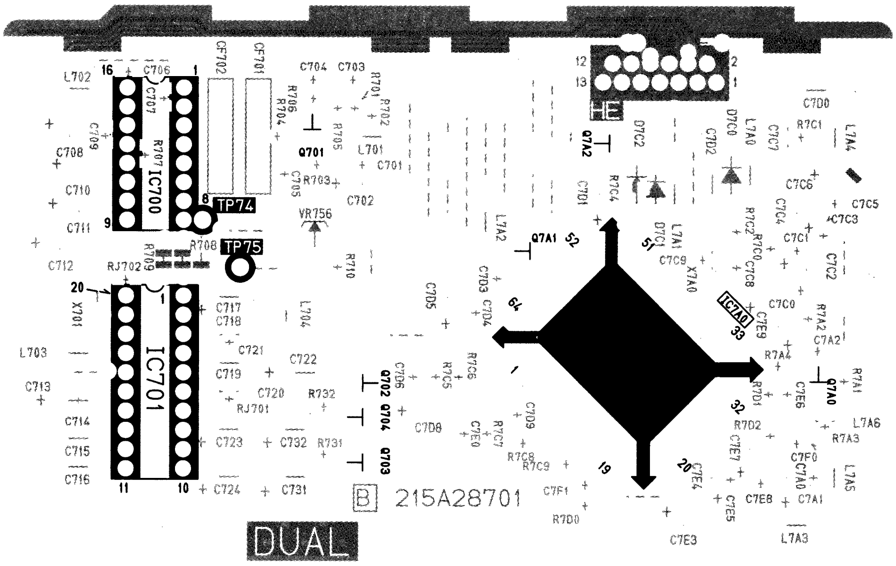
CF702
RJ701
RJ702
215A28601
DUAL

PCB－DUAL（HS－751V(E)/V(GY)）



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CF702
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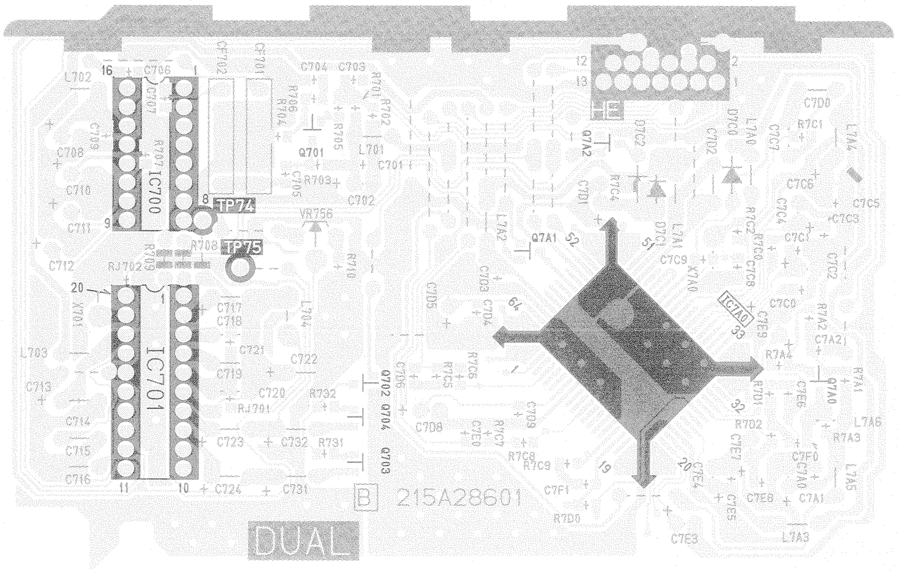
DUAL

PCB-DUAL (HS-751V(B)/V(IR))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X7A0
RJ701
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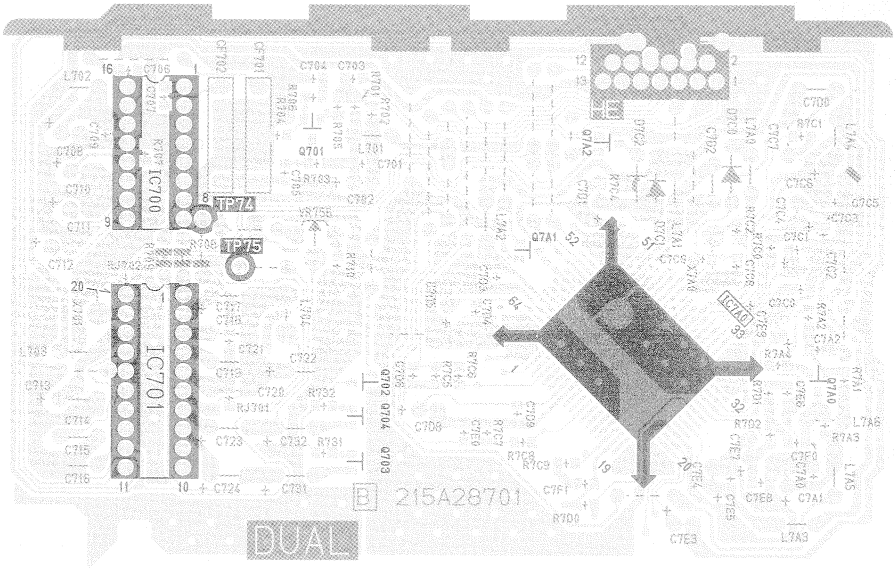
DUAL

PCB-DUAL (HS-751V(E)/V(GY))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RJ702
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CF702
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DUAL